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BIBLIOGRAPHY ON BIOREMEDIATION AND RELATED TOPICS

FROM DIALOG FILES: COMPENDEX PLUS (8), POLLUTION ABSTRACTS (41) , CHEMICAL ENG. & BIOTECH. ABSTRACTS (315) AND CA SERACH (399)

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Title: Microbial degradation of hazardous wastes to non-toxic end-products.

Author: McCreary, Emily; Akgerman, Aydin; Autenrieth, Robin L.; Bonner, James S.

Source: Journal of Hazardous Materials v 22 n 2 Nov 1989. p 254-255

Publication Year: 1989

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Title: Treatability studies for on-site biological remediation of soils and leachates contaminated by coal conversion residuals and by-products.

Author: Brenner, A.; Irvine, R. L.; Ketchum, L. H. Jr.; Kulpa, C. F. Jr.; Moreau, J. P.

Source: Journal of Hazardous Materials v 22 n 3 Dec 1989 p 377-391

Publication Year: 1989

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Title: Evidence for cooxidation of polynuclear aromatic hydrocarbons in soil.

Author: Keck, J.; Sims, R. C.; Coover, M.; Park, K.; Symons, B.

Source: Water Research v 23 n 12 Dec 1989 p 1467-1476

Publication Year: 1989

99 (Item 99 from file: 8)

Title: Advantages of biodegradation of cyanides.

Author: Whitlock, Jim

Source: JOM v 41 n 12 Dec 1989 p 46-47

Publication Year: 1989

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Title: Benthic tars in the Gulf of Mexico. Chemistry and sources.

Author: Alcazar, Fernando; Kennicutt, Mahlon C. II; Brooks, James M.

Source: Organic Geochemistry v 14 n 4 1989 p 433-439

Publication Year: 1989

101 (Item 101 from file: 8)

Title: Behaviour and modelling of NTA degradation in activated sludge systems.

Author: Siegrist, H.; Alder, A.; Gujer, W.; Giger, W.

Source: Water Science and Technology v 1 (of 5). p 315-324

Publication Year: 1989

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Title: Rapid biological clean-up of soils contaminated with lubricating oil.

Author: Rittmann, B. E.; Johnson, N. M.

Source: Water Science and Technology v 1 (of 5). p 209-219

Publication Year: 1989

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Title: Operational control of an anaerobic GAC reactor treating hazardous wastes.

Author: Nakhla, G. F.; Suidan, M. T.; Pfeffer, J. T.

Source: Water Science and Technology v 1 (of 5). p 167-173

Publication Year: 1989

104 (Item 104 from file: 8)

Title: Bacterial abundance and activity in hazardous waste-contaminated soil.

Author: Dean-Ross, Deborah
Source: Bulletin of Environmental Contamination and Toxicology v 43 n 4
Oct 1989 p 511-517
Publication Year: 1989

105 (Item 105 from file: 8)
Title: Microbial degradation of benzene and toluene in ground water.
Author: Karlson, U.; Frankenberger, W. T. Jr.
Source: Bulletin of Environmental Contamination and Toxicology v 43 n 4
Oct 1989 p 505-510
Publication Year: 1989

106 (Item 106 from file: 8)
Title: L'eau-down on activated carbon filtration.
Author: Tacey, Elisabeth
Source: Process Engineering (London) v 70 n 9 Sep 1989 p 53, 55-56
Publication Year: 1989

107 (Item 107 from file: 8)
Title: Elimination of sulphur compounds from wastewater by the root zone process. II. Mode of formation of sulphur deposits.
Author: Winter, Margarita; Kickuth, Reinhold
Source: Water Research v 23 n 5 May 1989 p 547-560
Publication Year: 1989

108 (Item 108 from file: 8)
Title: Creosote-contaminated sites.
Author: Mueller, James G.; Chapman, Peter J.; Pritchard, P. Hap
Source: Environmental Science and Technology v 23 n 10 Oct 1989 p 1197-1201
Publication Year: 1989

109 (Item 109 from file: 8)
Title: Pilot bioremediation tells all about petroleum contaminated soil.
Author: Barnhart, Michael J.; Myers, Julian M.
Source: Pollution Engineering v 21 n 11 Oct 1989 p 110-112
Publication Year: 1989

110 (Item 110 from file: 8)
Title: Modeling transport of a degradable chemical and its metabolites in the unsaturated zone.
Author: Tim, Udoyara S.; Mostaghimi, Saied
Source: Ground Water v 27 n 5 Sep-Oct 1989 p 672-681
Publication Year: 1989

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Title: Sorption of toxic organic compounds on wastewater solids:
Correlation with fundamental properties.

Author: Dobbs, Richard A.; Wang, Leping; Govind, Rakesh

Source: Environmental Science and Technology v 23 n 9 Sep 1989 p
1092-1097

Publication Year: 1989

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Title: Bioremediation on the move.

Author: Vervalin, Charles H.

Source: Hydrocarbon Processing v 68 n 8 Aug 1989 p 50-52

Publication Year: 1989

113 (Item 113 from file: 8)

Title: Long-term land treatment: a performance evaluation.

Author: Tedaldi, Dante J.; Lochr, Raymond C.

Source: Environ Eng Proc 1989 Spec Conf. Publ by ASCE, New York, NY, USA.
p 849-856

Publication Year: 1989

114 (Item 114 from file: 8)

Title: Biological treatment of PAHs in soil residues in simulated land
treatment systems.

Author: Sherman, Donald F.; Stroo, Hans F.

Source: Environ Eng Proc 1989 Spec Conf. Publ by ASCE, New York, NY, USA.
p 726-733

Publication Year: 1989

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Title: Effect of concentration on the biological degradation of petroleum
hydrocarbons associated with in situ soil-water treatment.

Author: Watts, Richard J.; McGuire, Patrick N.; Lee, Hsaiowan; Hoeppel,
Ronald E.

Source: Environ Eng Proc 1989 Spec Conf. Publ by ASCE, New York, NY, USA.
p 718-725

Publication Year: 1989

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Title: Anaerobic biological reduction of selenate.

Author: Owens, Lawrence P.; Malina, Joseph F. Jr.

Source: Environ Eng Proc 1989 Spec Conf. Publ by ASCE, New York, NY, USA.
p 616-618

Publication Year: 1989

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Title: Fate and effect of carbon tetrachloride and O-xylene on anaerobic systems with sulfate reducing bacteria.

Author: Bhattacharya, Sanjoy K.; Ataman, Gulay

Source: Environ Eng Proc 1989 Spec Conf. Publ by ASCE, New York, NY, USA. p 608-615

Publication Year: 1989

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Title: Composting as BDAT for solvent (F wastes) contaminated soils.

Author: Kabrick, Randolph M.; Coover, June R.

Source: Environ Eng Proc 1989 Spec Conf. Publ by ASCE, New York, NY, USA. p 547-554

Publication Year: 1989

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Title: Biological methods petroleum hydrocarbons cleanup.

Author: Nyer, Evan K.

Source: Environ Eng Proc 1989 Spec Conf. Publ by ASCE, New York, NY, USA. p 366-375

Publication Year: 1989

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Title: Microbiological testing of plastics: Ongoing activities of IBRC plastics project group to improve standard test procedures.

Author: Seal, Kenneth J.; Pantke, Michael

Source: International Biodeterioration v 24 n 4-5 1988. p 313-320

Publication Year: 1988

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Title: Biodegradation of natural rubber vulcanisates.

Author: Simpson, K. E.

Source: International Biodeterioration v 24 n 4-5 1988. p 307-312

Publication Year: 1988

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Title: Mikrobieller Abbau wichtiger Bestandteile wassergemischter Kuehlschmierstoffe.

Title: Microbial decomposition of important components of water-extended cutting fluids.

Author: Studt, P.; Kerner, W.; Win, T.

Source: Tribologie und Schmierungstechnik v 35 n 6 Nov-Dec 1988 p 312-314

Publication Year: 1988

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Title: In situ bioremediation of an underground diesel fuel spill: a case history.

Author: Frankenberger, W. T. Jr.; Emerson, K. D.; Turner, D. W.

Source: Environmental Management v 13 n 3 May-Jun 1989 p 325-332

Publication Year: 1989

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Author: Francis, Mike McD.

Source: CANMET Report (Canada Centre for Mineral and Energy Technology) n SP88-23. Publ by Canadian Government Publ Cent, Ottawa, Ont, Can. p 119-127

Publication Year: 1988

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Title: Microbial treatment for the fossil fuel industries.

Author: Wightman, M. J.; Dhaliwal, N.

Source: CANMET Report (Canada Centre for Mineral and Energy Technology) n SP88-23. Publ by Canadian Government Publ Cent, Ottawa, Ont, Can. p 69-76

Publication Year: 1988

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Author: Brown, Richard A.; Tribe, Richard; Duquette, Arrthur

Source: Water and Pollution Control (Don Mills, Canada) v 127 n 1 Feb 1989 p 10-11

Publication Year: 1989

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Title: Chemical treatment of jute fibre for improved rot resistance.

Author: Ghosh, Premamoy; Datta, Chakradhar

Source: Indian Journal of Technology v 26 n 9 Sep 1988 p 431-436

Publication Year: 1988

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Title: Waste treatability tests of spent solvent and other organic wastewaters.

Author: Turner, Ronald J.

Source: Environmental Progress v 8 n 2 May 1989 p 113-119

Publication Year: 1989

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Title: Treatment of hazardous substances in wastewater treatment plants.

Author: Stenstrom, Michael K.; Cardinal, Lynne; Libra, Judy

Source: Environmental Progress v 8 n 2 May 1989 p 107-112

Publication Year: 1989

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Title: Bacteria digest die casting plant wastewater.

Author: Moellenbeck, Albert J.

Source: Die Casting Engineer v 33 n 2 Mar-Apr 1989 p 28, 30

Publication Year: 1989

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Title: Accumulation of anionics in sludges.

Author: Sanchez Leal, J.; Anguera, S.; Campos, E.

Source: Tenside, Surfactants, Detergents v 26 n 1 Jan-Feb 1989 p 27-29
Publication Year: 1989

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Title: Removal of cadmium (II) from dilute aqueous solutions by fungal biomass.

Author: Huang, C. P.; Westman, Dean; Quirk, Kenneth; Huang, J. P.; Morehart, Allen L.

Source: Particulate Science and Technology v 6 n 4 1988. p 405-419
Publication Year: 1988

133 (Item 133 from file: 8)

Title: Biological treatment of hazardous waste.

Author: Torpy, Michael F.; Stroo, H. F.; Brubaker, G.

Source: Pollution Engineering v 21 n 5 May 1989 p 80-81, 84-86
Publication Year: 1989

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Title: Selection of the most appropriate leachate treatment methods. Part 1: A review of potential biological leachate treatment methods.

Author: Forgie, D. J. L.

Source: Water Pollution Research Journal of Canada v 23 n 2 1988 p 308-328

Publication Year: 1988

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Title: Effect of hydrogen peroxide treatment on the utilization of lignocellulosic residues by rumen micro-organisms.

Author: Reddy, D. V.; Mehra, Usha R.; Singh, U. B.

Source: Biological Wastes v 28 n 2 1989 p 133-141
Publication Year: 1989

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Title: Treatment of hazardous substances in conventional biological treatment plants.

Author: Stenstrom, Michael K.; Cardinal, Lynne; Libra, Judy

Source: American Institute of Chemical Engineers, National Meeting. Publ by AIChE, New York, NY, USA. 59D 28p

Publication Year: 1988

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Title: Above - ground biological treatment systems.

Author: Bradford, Mike; Jackson, Kevin

Source: American Institute of Chemical Engineers, National Meeting. Publ by AIChE, New York, NY, USA. 59A 22p

Publication Year: 1988

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Title: Microbial influence on cellulosic textiles and microbiological testing.

Author: Raschle, P.

Source: International Biodeterioration v 25 n 1-3 1989. p 237-244
Publication Year: 1989

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Title: Studies on the microbial degradation of ancient leather bookbindings. Part 2.

Author: Strzelczyk, Alicja B.; Kuroczkin, Joanna; Krumbein, Wolfgang E.

Source: International Biodeterioration v 25 n 1-3 1989. p 39-47

Publication Year: 1989

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Title: Biocorrosion in transformer oils.

Author: Wasserbauer, R.

Source: Tribology International v 22 n 1 Feb 1989 p 39-42

Publication Year: 1989

141 (Item 141 from file: 8)

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Author: Raymond, Anne C.; Liu, Susie Y.; Murchison, Duncan G.; Taylor, Geoffrey H.

Source: Fuel v 68 n 1 Jan 1989 p 66-73

Publication Year: 1989

142 (Item 142 from file: 8)

Title: Biological treatment of leachate from a superfund site.

Author: Opatken, Edward J.; Howard, Hinton K.; Bond, James J.

Source: Environmental Progress v 8 n 1 Feb 1989 p 12-18

Publication Year: 1989

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Title: *Glyceria maxima* for wastewater nutrient removal and forage production.

Author: Sundblad, K.; Wittgren, H. -B.

Source: Biological Wastes v 27 n 1 1989 p 29-42

Publication Year: 1989

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Title: Synthesis and biodegradation of copolyesters from citric acid and glycerol.

Author: Pramanick, D.; Ray, T. T.

Source: Polymer Bulletin (Berlin) v 19 n 4 Apr 1988 p 365-370

Publication Year: 1988

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Author: Hatcher, Patrick G.; Lerch, Harry E. III; Kotra, Raman K.; Verheyen, T. Vincent

Source: Fuel v 67 n 8 Aug 1988 p 1069-1075

Publication Year: 1988

146 (Item 146 from file: 8)

Title: Modeling of enhanced biodegradation in unsaturated soil zone.

Author: Baek, N. H.; Clesceri, L. S.; Clesceri, N. L.

Source: Journal of Environmental Engineering v 115 n 1 Feb 1989 p 150-172

Publication Year: 1989

147 (Item 147 from file: 8)

Title: Mineralization of phosphorus in sludge-amended soils monitored by phosphorus-31-nuclear magnetic resonance spectroscopy.

Author: Hinedi, Zeina R.; Chang, A. C.; Lee, R. W. K.

Source: Soil Science Society of America Journal v 52 n 6 Nov-Dec 1988 p 1593-1596

Publication Year: 1988

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Title: Crop recovery ¹⁵N from microalgae grown in simulated inorganic-wastewater medium.

Author: Sistani, K. R.; Taylor, R. W.

Source: Journal of Environmental Science and Health, Part A: Environmental Science and Engineering v A23 n 8 1988 p 745-755

Publication Year: 1988

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Title: Effect of chemical composition and physical structure of geotextiles on their durability.

Author: Cooke, Theodore F.; Rebenfeld, Ludwig

Source: Geotextiles and Geomembranes v 7 n 1-2 1988 p 7-22

Publication Year: 1988

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Title: Anoxic-oxic activated-sludge treatment of cyanides and phenols.

Author: Richards, Deanna J.; Shieh, Wen K.

Source: Biotechnology and Bioengineering v 33 n 1 Jan 5 1989 p 32-38

Publication Year: 1989

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Title: Cellulosic adsorbents for treating textile mill effluents.

Author: Yang, Yiqi; Ladisch, Christine M.; Ladisch, Michael R.

Source: Enzyme and Microbial Technology v 10 n 10 Oct 1988 p 632-636

Publication Year: 1988

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Title: Structural investigations of Alberta oil sand bitumens.

Author: Strausz, O. P.

Source: Preprints - Division of Petroleum Chemistry, American Chemical Society v 33 n 2. Publ by ACS, Books & Journals Division, Washington, DC, USA. p 264-268

Publication Year: 1988

153 (Item 153 from file: 8)

Title: Sludge handling and disposal at Finnish activated sludge plants.

Author: Saunamaki, R.
Source: Water Science and Technology v 20 n 1 1988. p 171-182
Publication Year: 1988

154 (Item 154 from file: 8)

Title: Treatability studies and toxicity reduction in pulp and paper mill effluents.

Author: Galvao F, J. B.; Grieco, V. M.; Araujo, R. P. A.; Ortolano, M. R.; Bertoletti, E.; Ramos, M. L. L. C.

Source: Water Science and Technology v 20 n 1 1988. p 149-160
Publication Year: 1988

155 (Item 155 from file: 8)

Title: Microbial breakdown of fats through in-vessel co-composting of agricultural and urban wastes.

Author: Fernandes, Fernando; Viel, Maurice; Sayag, Daniel; Andre, Louis

Source: Biological Wastes v 26 n 1 1988 p 33-48
Publication Year: 1988

156 (Item 156 from file: 8)

Title: EPA okays biological-remediation cleanup technique.

Author: Sloan, Richard

Source: Oil and Gas Journal v 86 n 35 Aug 29 1988 p 48-50
Publication Year: 1988

157 (Item 157 from file: 8)

Title: Newly development bacterial strain removes organic sulfur from coal.

Author: Haggin, Joseph

Source: Chemical & Engineering News v 66 n 35 Aug 29 1988 p 36-37
Publication Year: 1988

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Title: Will bugs eat up the cleanup market?.

Author: Anon

Source: Waste Age v 19 n 10 Oct 1988 7p
Publication Year: 1988

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Author: Harris, C. R.; Chapman, R. A.; Morris, Ray F.; Stevenson, A. B.

Source: Journal of Environmental Science and Health, Part B: Pesticides, Food Contaminants, and Agricultural Wastes v 23 n 4 1988 p 301-316
Publication Year: 1988

160 (Item 160 from file: 8)

Title: BIODEGRADATION OF OIL-BASED DRILLING MUDS AND PRODUCTION PIT SLUDGES.

Author: Marks, R. E.; Field, S. D.; Wojtanowicz, W. K.

Source: Journal of Energy Resources Technology, Transactions of the ASME
v 110 n 3 Sep 1988 p 183-188
Publication Year: 1988

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Author: Altmann, Bernd-Rudiger; Ruddiger, Gunter; Lilie, Rudiger H.

Source: Quarterly Journal of Technical Papers (Institute of Petroleum)
Apr-Jun 1988 p 1-41

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Title: BIOREMEDIATION FEASIBILITY STUDIES FOR HAZ WASTE.

Author: Woodward, Richard E.

Source: Pollution Engineering v 20 n 7 Jul 1988 p 102-103

Publication Year: 1988

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Title: RESEARCH RESULTS REGARDING BIOLOGICAL SOIL TREATMENT TECHNIQUES IN THE NETHERLANDS,.

Author: Soczo, E. R.; Staps, J. J. M.; Visscher, K.

Source: Resources, Conservation and Recycling v 1 n 1 Mar 1988 p 65-76

Publication Year: 1988

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Title: COMPREHENSIVE CLEANUP OF SOIL AND GROUNDWATER USING IN SITU BIOREMEDIATION-AN INTRODUCTION.

Author: Fournier, Louis B.

Source: Environmental Conference, Proceedings of the Technical Association of the Pulp and Paper Industry 1988. Publ by Tappi Press, Atlanta, GA, USA p 221-226

Publication Year: 1988

165 (Item 165 from file: 8)

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Author: White, Carlton

Source: Environmental Conference, Proceedings of the Technical Association of the Pulp and Paper Industry 1988. Publ by Tappi Press, Atlanta, GA, USA p 103-104

Publication Year: 1988

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Title: TAPPI PROCEEDINGS - 1988 ENVIRONMENTAL CONFERENCE.

Author: Anon

Source: Environmental Conference, Proceedings of the Technical Association of the Pulp and Paper Industry 1988. Publ by Tappi Press, Atlanta, GA, USA 538p

Publication Year: 1988

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Author: Aikawa, Takashi; Otsuka, Hisako; Sanui, Kohei; Kurusu, Yasuhiko; Sato, Akio

Source: Kobunshi Ronbunshu v 45 n 4 1988 p 347-355

Publication Year: 1988

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Author: Fewson, Charles A.

Source: Trends in Biotechnology v 6 n 7 Jul 1988 p 148-153

Publication Year: 1988

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Title: BIOTESTING OF INDUSTRIAL WASTE WATER FROM FOAM RUBBER PRODUCTION.

Author: Usov, G. P.; Tryakhova, T. I.; Svetlakova, G. N.; Rozanova, L. I.

Source: Soviet Journal of Water Chemistry and Technology (English Translation of Khimiya i Tekhnologiya Vody) v 9 n 2 1987 p 120-121

Publication Year: 1987

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Title: DEGRADATION OF DIETHYLENE GLYCOL BY MICROORGANISMS.

Author: Koganovskii, A. M.; Udod, V. M.; Nesynova, L. I.; Nevinnaya, L. V.

Source: Soviet Journal of Water Chemistry and Technology (English Translation of Khimiya i Tekhnologiya Vody) v 9 n 2 1987 p 99-102

Publication Year: 1987

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Title: BIOLOGICAL TREATMENT OF HAZARDOUS WASTES.

Author: Ryan, J. R.; Kabrick, R.; Loehr, R.

Source: Civil Engineering (New York) v 58 n 2 Feb 1988 p 65-67

Publication Year: 1988

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Title: EPA: SITING PERMANENT SOLUTIONS.

Author: Hill, Ronald

Source: Civil Engineering (New York) v 58 n 2 Feb 1988 p 56-58

Publication Year: 1988

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Author: Anon

Source: Proceedings - The Electrochemical Society v 87-1, Proc of Symp on Lithium Batteries, San Diego, CA, USA, Oct 19-24 1986. Publ by Electrochemical Soc Inc, 1987

Publication Year: 1987

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Title: EFFLUENTS OF THE FOOD INDUSTRY IN MEXICO: ENVIRONMENTAL IMPACTS ON SOIL AND WATER RESOURCES AND POSSIBLE SOLUTION USING THE BIOTECHNICAL APPROACH. CASE PROBLEM: THE CORN INDUSTRY.

Author: Duran de Bazua, Carmen

Publication Year: 1987

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Title: IDENTIFICATION AND QUANTIFICATION OF VOLATILE ORGANIC SPECIES DURING MICROBIAL TREATMENT OF LEACHATE.

Author: Sikkema, Stephen; Dienemann, Erik; Ahlert, Robert; Kosson, David

Source: Environmental Progress v 7 n 2 May 1988 p 77-83

Publication Year: 1988

176 (Item 176 from file: 8)

Title: BIORECLAMATION SAVES GROUNDWATER SUPPLY.

Author: Anon

Source: Public Works v 119 n 6 May 1988 p 63

Publication Year: 1988

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Title: TOXICITY AND UPTAKE POTENTIAL OF AN ACRYLIC POLYMER COMONOMER AND ITS BIOLOGICAL DEGRADATION PRODUCTS.

Author: Johannesen, F. R.; Levinskas, G. J.; Adams, W. J.

Source: Bulletin of Environmental Contamination and Toxicology v 40 n 3 Mar 1988 p 325-331

Publication Year: 1988

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Title: MICROBIAL DEGRADATION OF GUANIDINIUM ION.

Author: Mitchell, Wayne R.

Source: Chemosphere v 16 n 5 1987 p 1071-1086

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Author: Brown, S. P.

Source: IEE Colloquium (Digest) n 1986/63. Publ by IEE, London, Engl p 1. 1-1. 3

Publication Year: 1986

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Author: Bumpus, John A.; Aust, Steven D.

Source: ACS Symposium Series 338. Publ by ACS, Washington, DC, USA, 1987 p 340-349

Publication Year: 1987

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Author: Lee, Richard F.; Valkirs, Aldis O.; Seligman, Peter F.
Source: Oceans (New York) 1987. Publ by IEEE, New York, NY, USA.
Available from IEEE Service Cent (Cat n 87CH2498-4), Piscataway, NJ, USA p 1411-1415
Publication Year: 1987

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Title: INVESTIGATION OF PETROLEUM REFINERY EFFLUENT TREATMENT IN AN AEROBIC FIXED-FILM BIOLOGICAL SYSTEM.
Author: Hamoda, M. F.; Al-Haddad, A. A.
Source: Journal of the Institution of Water and Environment Management v 1 n 2 Oct 1987 p 239-246
Publication Year: 1987

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Title: AEROBIC AND ANAEROBIC TREATMENT OF HIGH-STRENGTH HAZARDOUS LIQUID WASTES.
Author: Venkataramani, E. S.; Ahlert, R. C.; Corbo, P.
Source: Journal of Hazardous Materials v 17 n 2 Feb 1988 p 169-188
Publication Year: 1988

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Title: STRINGFELLOW LEACHATE TREATMENT WITH RBC.
Author: Opatken, E. J.; Howard, H. K.; Bond, J. J.
Source: Environmental Progress v 7 n 1 Feb 1988 p 41-45
Publication Year: 1988

185 (Item 185 from file: 8)
Title: ANAEROBIC DEGRADATION OF THE VARIOUS FRACTIONS OF SLAUGHTERHOUSE WASTEWATER.
Author: Sayed, Sameh; van der Zanden, Jos; Wijffels, Rene; Lettinga, Gatzke
Source: Biological Wastes v 23 n 2 1988 p 117-142
Publication Year: 1988

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Title: CRITICAL LOOK AT ROCK FILTERS.
Author: Rich, Linvil G.
Source: Journal of Environmental Engineering v 114 n 1 Feb 1988 p 219-223
Publication Year: 1988

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Title: CHEMICAL MODIFICATION OF LIGNOCELLULOSIC MATERIALS: A COMPARISON OF PROCESSES.
Author: Tillman, Anne-Marie
Source: Chalmers Tekniska Hogskola, Doktorsavhandlingar n 643 1987 52p
Publication Year: 1987

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Title: THEORETICAL INVESTIGATION OF PARTICLE DEPOSITION IN BIOFILM SYSTEMS.

Author: Bouwer, Edward J.
Source: Water Research v 21 n 12 Dec 1987 p 1489-1498
Publication Year: 1987

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Title: USE OF UREA AS A NITROGEN FERTILIZER IN BIORECLAMATION OF PETROLEUM HYDROCARBONS IN SOIL.

Author: Frankenberger, W. T. Jr.

Source: Bulletin of Environmental Contamination and Toxicology v 40 n 1
Jan 1988 p 66-68

Publication Year: 1988

190 (Item 190 from file: 8)

Title: SOIL AND GROUNDWATER CLEANSING.

Author: Anon

Source: Eur Water Sewage v 91 n 1097 Jul 1987 p 282

Publication Year: 1987

191 (Item 191 from file: 8)

Title: NEW GENERATION OF WATER BASED THICKENER.

Author: Tso, Su C.; Beall, Gary W.; Gordon, John

Source: Proceedings of the Water-Borne and Higher-Solids Coatings Symposium 13th. Publ by Univ of Southern Mississippi, Hattiesburg, MS, USA
p 380-409

Publication Year: 1986

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Title: MICROBIAL DEGRADATION OF NITRILOTRIACETATE (NTA) DURING RIVER WATER/GROUNDWATER INFILTRATION: LABORATORY COLUMN STUDIES.

Author: Kuhn, Elmar; van Loosdrecht, Mark; Giger, Walter; Schwarzenbach, Rene P.

Source: Water Research v 21 n 10 Oct 1987 p 1237-1248

Publication Year: 1987

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Title: BIOTECHNOLOGY: TREATING INDUSTRIAL/MUNICIPAL WASTES AND WASTEWATER.

Author: Cheremisinoff, Paul N.

Source: Pollution Engineering v 19 n 9 Sep 1987 p 74-87

Publication Year: 1987

194 (Item 194 from file: 8)

Title: MICROBIAL DEGRADATION OF 1,2-DIBROMOETHANE IN SHALLOW AQUIFER MATERIALS.

Author: Pignatello, Joseph J.

Source: Journal of Environmental Quality v 16 n 4 Oct-Dec 1987 p 307-312

Publication Year: 1987

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Title: BIOCIDES EVALUATION AGAINST SESSILE XANTHAN POLYMER-DEGRADING BACTERIA.

Author: O'Leary, W. B.; Boivin, J. W.; Dasinger, B. L.; Beck, D.;
Goldman, I. M.; Wernau, W. C.
Source: SPE Reservoir Eng v 2 n 4 Nov 1987 SPE 13588, p 647-652
Publication Year: 1987

196 (Item 196 from file: 8)
Title: AEROBIC MICROBIAL DEGRADATION OF m-DINITROBENZENE.
Author: Dey, Sabita; Kanekar, Pradnya; Godbole, S. H.
Source: Indian Journal of Environmental Health v 28 n 2 Apr 1986 p
118-128
Publication Year: 1986

197 (Item 197 from file: 8)
Title: ADSORPTIVE PURIFICATION OF BIOGAS BY THE PSA PROCESS.
Author: Pilarczyk, Erwin; Henning, Klaus D.; Knoblauch, Karl; D'Amico,
Joseph S.; Reinhold, Herbert E.
Source: Symposium Papers - Energy from Biomass and Wastes 10th. Publ by
Inst of Gas Technology, Chicago, IL, USA p 1673-1674
Publication Year: 1987

198 (Item 198 from file: 8)
Title: REMOVAL OF METAL CONTAMINANTS FROM AQUEOUS HAZARDOUS WASTES PRIOR
TO BIOLOGICAL TREATMENT.
Author: Matsumoto, M. R.; Weber, A. S.; Lange, C. R.; Kyles, J. H.;
Malinowski, K. C.; Schlaf, R. L.
Source: American Institute of Chemical Engineers, National Meeting Publ
by AIChE, New York, NY, USA pap 35c, 27p
Publication Year: 1987

199 (Item 199 from file: 8)
Title: PROCESS TO REMOVE HAZARDOUS COMPONENTS FROM WASTEWATER BY SORPTION
ON BIOMASS.
Author: Kieran, Patricia M.; Findley, M. E.
Source: American Institute of Chemical Engineers, National Meeting Publ
by AIChE, New York, NY, USA pap 35b, 33p
Publication Year: 1987

200 (Item 200 from file: 8)
Title: ASSESSMENT OF SUPPLEMENTAL BACTERIAL CULTURES FOR ENHANCED
BIODEGRADATION OF AQUEOUS HAZARDOUS WASTES.
Author: Lange, Clifford R.; Weber, A. Scott; Matsumoto, Mark R.; Kyles,
James H.; Malinowski, Kenneth C.; Schlaf, Rodger L.
Source: American Institute of Chemical Engineers, National Meeting Publ
by AIChE, New York, NY, USA pap 33a, 23p
Publication Year: 1987

201 (Item 201 from file: 8)
Title: EARLY DIAGENESIS OF ORGANIC MATTER IN A SAWGRASS PEAT FROM THE
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Author: Orem, W. H.; Hatcher, P. G.
Source: International Journal of Coal Geology v 8 n 1-2 Jun 1987, Sel Pap

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Publication Year: 1987

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Title: ANAEROBIC MICROBIAL DECHLORINATION: AN APPROACH TO ON-SITE TREATMENT OF TOXAPHENE-CONTAMINATED SOIL.

Author: Mirsatari, S. G.; McChesney, M. M.; Craigmill, A. C.; Winterlin, W. L.; Seiber, J. N.

Source: Journal of Environmental Science and Health, Part B: Pesticides, Food Contaminants, and Agricultural Wastes v B22 n 6 Dec 1987 p 663-690

Publication Year: 1987

203 (Item 203 from file: 8)

Title: SYNTHESIS AND BIODEGRADATION OF COPOLYESTERS DERIVED FROM GLUTAMIC ACID.

Author: Pramanick, Dinabandhu; Ray, Tarun Tapan

Source: Polymer Bulletin (Berlin) v 18 n 4 Oct 1987 p 311-315

Publication Year: 1987

204 (Item 204 from file: 8)

Title: REMOVAL OF VOLATILE ALIPHATIC HYDROCARBONS IN A SOIL BIOREACTOR.

Author: Kampbell, Don H.; Wilson, John T.; Read, Harvey W.; Stocksdales, Thomas T.

Source: JAPCA v 37 n 10 Oct 1987 p 1236-1240

Publication Year: 1987

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Title: SIMULATION OF SOLUTE TRANSPORT USING A CONTINUOUS TIME MARKOV PROCESS: 1. THEORY AND STEADY STATE APPLICATION.

Author: Knighton, R. E.; Wagenet, R. J.

Source: Water Resources Research v 23 n 10 Oct 1987 p 1911-1916

Publication Year: 1987

206 (Item 206 from file: 8)

Title: AIR FORCE INSTALLATION RESTORATION PROGRAM: PROGRESS AND PERSPECTIVE.

Author: Craig, R. B.; Eyman, L. D.; McBrayer, J. F.; Campbell, D. B.

Source: Publ by Arizona Board of Regents, AZ, USA p 617-620

Publication Year: 1986

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Title: LAND TREATMENT BIOLOGICAL DEGRADATION PROCESSES.

Author: Huddleston, R. L.; Bleckmann, C. A.; Wolfe, J. R.

Source: Water Resources Symposium n 13. Publ by Univ of Texas at Austin, Austin, TX, USA p 41-61

Publication Year: 1986

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Author: Loehr, Raymond C. (Ed.); Malina, Joseph F. (Ed.)

Source: Water Resources Symposium n 13. Publ by Univ of Texas at Austin,

Austin, TX, USA 369p
Publication Year: 1986

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Title: DEGRADATION OF OIL BY LAND DISPOSAL.

Author: Tesan, G.; Barbosa, D.

Source: Water Science and Technology v 19 n 8 1987, Use of Soil for Treat
and Final Disp of Effluents and Sludge, Proc of an IAWPRC Int Semin,
Salvador, Braz, Aug 13-15 1986 p 99-105

Publication Year: 1987

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Title: MICROBIAL ENHANCEMENT OF HYDRAZINE DEGRADATION IN SOIL AND WATER.

Author: Ou, L. T.; Street, J. J.

Source: Bulletin of Environmental Contamination and Toxicology v 39 n 3
Sep 1987 p 541-548

Publication Year: 1987

211 (Item 211 from file: 8)

Title: FEASIBILITY OF INTERMITTENT BIOLOGICAL TREATMENT FOR HAZARDOUS
WASTES.

Author: Weber, A. Scott; Matsumoto, Mark R.

Source: Environmental Progress v 6 n 3 Aug 1987 p 166-171

Publication Year: 1987

212 (Item 212 from file: 8)

Title: RAPID RENOVATION OF A SLUDGE LAGOON.

Author: Dienemann, E. A.; Magee, J. F. II; Kosson, D. S.; Ahlert, R. C.

Source: Environmental Progress v 6 n 3 Aug 1987 p 158-165

Publication Year: 1987

213 (Item 213 from file: 8)

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Title: BÍOKOROZE TRANSFORMATOROVYCH OLEJU.

Author: Wasserbauer, Richard

Source: Elektrotechnický Obzor v 76 n 5-6 May-Jun 1987 p 334-338

Publication Year: 1987

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Title: STRUCTURAL ANALYSIS OF SEA LOCH SEDIMENTARY HUMIC SUBSTANCES BY
13C-**1H DIPOLAR DEPHASING NMR.

Author: Gillam, Andrew H.; Wilson, Michael A.; Collin, Philip J.

Source: Organic Geochemistry v 11 n 2 1987 p 91-101

Publication Year: 1987

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Title: REMOVAL OF HAZARDOUS ORGANIC POLLUTANTS BY ADSORPTION ON MICROBIAL
BIOMASS.

Author: Bell, J. P.; Tsezos, M.

Source: Water Science and Technology v 19 n 3-4 1987, Water Pollut Res
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Water Pollut Res and Control, Rio de Janeiro, Braz, Aug 17-22 1986 p 409-416

Publication Year: 1987

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Author: Schoen, Sarah R.; Winterlin, Wray L.

Source: Journal of Environmental Science and Health, Part B: Pesticides, Food Contaminants, and Agricultural Wastes v B22 n 3 Jun 1987 p 347-377

Publication Year: 1987

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Title: Biological Treatment Station of the Strasbourg Urban Area.

Title: STATION D'EPURATION BIOLOGIQUE DE L'AGGLOMERATION STRASBOURGEOISE.

Author: Logel, D.; Rudloff, J. M.

Source: Travaux n 621 May 1987 p 21-23

Publication Year: 1987

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Author: Leenheer, J. A.; Noyes, T. I.

Source: Geol Surv Prof Pap (US) 1338 1986 61p

Publication Year: 1986

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Title: MICROBIAL DEGRADATION OF HYDRAZINE.

Author: Ou, L. -T.

Source: Bulletin of Environmental Contamination and Toxicology v 39 n 1 Jul 1987 p 78-85

Publication Year: 1987

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Title: BIOLOGICAL TREATMENT TECHNIQUES FOR CONTAMINATED SOIL.

Author: Soczo, E. R.; Visscher, K.

Source: Resources and Conservation v 15 n 1-2 Jun 1987 p 125-136

Publication Year: 1987

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Author: Souza, M. E.

Source: Water Science and Technology v 18 n 12 1986, Anaerob Treat in Trop Countries, Proc of an IAWPRC Int Semin, Sao Paulo, Braz, Aug 25-29 1986 p 55-69

Publication Year: 1986

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Author: Speece, R. E.; Parkin, G. F.; Bhattacharya, S. K.

Source: Water Science and Technology v 18 n 12 1986, Anaerob Treat in Trop Countries, Proc of an IAWPRC Int Semin, Sao Paulo, Braz, Aug 25-29 1986 p 27-39
Publication Year: 1986

223 (Item 223 from file: 8)

Title: DEGRADATION OF ANILINE AND CHLOROANILINES BY SUNLIGHT AND MICROBES IN ESTUARINE WATER.

Author: Hwang, Huey-Min; Hodson, R. E.; Lee, R. F.

Source: Water Research v 21 n 3 Mar 1987 p 309-316

Publication Year: 1987

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Title: ORGANIC GEOCHEMISTRY OF TWO MISSISSIPPI VALLEY-TYPE LEAD-ZINC DEPOSITS.

Author: Gize, Andrew P.; Barnes, H. L.

Source: Economic Geology and the Bulletin of the Society of Economic Geologists v 82 n 2 Mar-Apr 1987 p 457-470

Publication Year: 1987

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Title: AEROBIC TWO-STAGE BIOLOGICAL DEGRADATION OF ORGANIC CARBON COMPOUNDS AND AMMONIUM.

Author: Brauer, H.; Hennig, R.

Source: Bioprocess Eng v 1 n 1 1986 p 13-22

Publication Year: 1986

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Title: RESEARCH ACTIVITIES ON ENHANCEMENT OF BIOCHEMICAL PROCESSES IN SANITARY LANDFILLS.

Author: Stegmann, Rainer; Spendlin, Hans-Henning

Source: Water Pollution Research Journal of Canada v 21 n 4 1986 p 572-591

Publication Year: 1986

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Title: REMOVAL OF HAZARDOUS ORGANIC POLLUTANTS BY BIOMASS ADSORPTION.

Author: Bell, John P.; Tsczos, Marios

Source: Journal Water Pollution Control Federation v 59 n 4 Apr 1987 p 191-198

Publication Year: 1987

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Title: DRAG REDUCTION EFFECTIVENESS, SHEAR STABILITY AND BIODEGRADATION RESISTANCE OF GUARGUM-BASED GRAFT COPOLYMERS.

Author: Deshmukh, Suhas R.; Sing, Ram Prakash

Source: Journal of Applied Polymer Science v 33 n 6 May 5 1987 p 1963-1975

Publication Year: 1987

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Title: METHOD FOR MEASURING THE BIODEGRADATION OF ORGANIC CHEMICALS.

Author: Boatman, Rodney J.; Cunningham, Suzanne L.; Ziegler, Donald A.

Source: Environ Toxicol Chem v 5 n 3 1986 p 233-243

Publication Year: 1986

230 (Item 230 from file: 8)

Title: BIOLOGICAL TREATMENT OF SIMULATED LANDFILL LEACHATE CONTAINING CHLORDANE.

Author: Smith, John W.; Moore, Larry W.; Sabatini, David A.

Source: Proceedings of Mid-Atlantic Industrial Waste Conference 18th.

Publ by Technomic Publ Co, Lancaster, PA, USA p 157-169

Publication Year: 1986

231 (Item 231 from file: 8)

Title: EFFECTS OF BIOAUGMENTATION ON HAZARDOUS WASTE TREATMENT.

Author: Hartman, James R.; Lange, Clifford R.; Matsumoto, Mark R.; Weber,

A. Scott

Source: Proceedings of Mid-Atlantic Industrial Waste Conference 18th.

Publ by Technomic Publ Co, Lancaster, PA, USA p 94-115

Publication Year: 1986

232 (Item 232 from file: 8)

Title: EFFECTS OF EXTENDED IDLE PERIODS ON HAZARDOUS WASTE BIOTREATMENT.

Author: Weber, A. Scott; Matsumoto, Mark R.; Goeddertz, John G.;

Rabideau, Alan J.

Source: Proceedings of Mid-Atlantic Industrial Waste Conference 18th.

Publ by Technomic Publ Co, Lancaster, PA, USA p 74-93

Publication Year: 1986

233 (Item 233 from file: 8)

Title: TOXIC AND HAZARDOUS WASTES, PROCEEDINGS OF THE EIGHTEENTH MID-ATLANTIC INDUSTRIAL WASTE CONFERENCE.

Author: Boardman, Gregory D. (Ed.)

Source: Proceedings of Mid-Atlantic Industrial Waste Conference 18th.

Publ by Technomic Publ Co, Lancaster, PA, USA 639p

Publication Year: 1986

234 (Item 234 from file: 8)

Title: PRINCIPLES OF BIORECLAMATION OF CONTAMINATED GROUND WATER AND LEACHATES.

Author: Parkin, Gene F.; Calabria, Craig R.

Source: ASTM Special Technical Publication 933. Publ by ASTM, Philadelphia, PA, USA p 151-173

Publication Year: 1986

235 (Item 235 from file: 8)

Title: HAZARDOUS AND INDUSTRIAL SOLID WASTE TESTING AND DISPOSAL: SIXTH VOLUME.

Author: Lorenzen, Douglas (Ed.); Conway, Richard A. (Ed.); Jackson, Larry P. (Ed.); Hamza, Ahmed (Ed.); Perket, Cary L. (Ed.); Lacy,

William J. (Ed.)

Source: ASTM Special Technical Publication 933. Publ by ASTM, Philadelphia, PA, USA 471p

Publication Year: 1986

236 (Item 236 from file: 8)

Title: AGRICULTURE OR INDUSTRY? GREENHOUSE DEVELOPMENT IN CARPINTERIA, CALIFORNIA.

Author: Welch, Jolie; Jortner, Roberta (Ed.)

Source: v 2. Publ by ASCE, New York, NY, USA p 1506-1516

Publication Year: 1987

237 (Item 237 from file: 8)

Title: TRANSFORMATION OF CHLORINATED ETHENES AND ETHANES BY ANAEROBIC MICROORGANISMS.

Author: Hallen, R. T.; Pyne, J. W. Jr.; Molton, P. M.

Source: National Meeting - American Chemical Society, Division of Environmental Chemistry v 26 n 2 1986. Publ by ACS, Washington, DC, USA p 344-346

Publication Year: 1986

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Title: MATHEMATICAL MODELING OF THE TRANSPORT AND FATE OF ORGANOTIN IN HARBORS.

Author: Walton, R.; Adema, C. M.; Seligman, P. F.

Source: Oceans (New York) 1986. Publ by IEEE, New York, NY, USA.
Available from IEEE Service Cent (Cat n 86CH2363-0), Piscataway, NJ, USA p 1297-1301

Publication Year: 1986

239 (Item 239 from file: 8)

Title: REVIEW OF THE OCCURRENCE, PERSISTENCE AND DEGRADATION OF TRIBUTYL TIN IN FRESH WATER ECOSYSTEMS IN CANADA.

Author: Maguire, R. James

Source: Oceans (New York) 1986. Publ by IEEE, New York, NY, USA.
Available from IEEE Service Cent (Cat n 86CH2363-0), Piscataway, NJ, USA p 1252-1255

Publication Year: 1986

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Title: POTENTIAL OF BIOLOGICAL TREATMENT AS A HAZARDOUS WASTE TREATMENT TECHNOLOGY.

Author: Lewandowski, Gordon

Source: American Institute of Chemical Engineers, National Meeting 1986.
Publ by AIChE, New York, NY, USA Pap 71c, 13p
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241 (Item 241 from file: 8)

Title: BIOLOGICAL OXIDATIONS BY ENZYMES FROM A WHITE ROT FUNGUS.

Author: Bumpus, John A.; Aust, Steven D.

Source: American Institute of Chemical Engineers, National Meeting 1986.

Publ by AIChE, New York, NY, USA Pap 86c, 29p

Publication Year: 1986

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Title: EVALUATION OF A MIXED AEROBIC CULTURE FOR DEGRADING COAL TAR.

Author: Enzminger, J. D.; Lepore, J. V.; Gleason, C.; Dreyer, C.; Ahlert, R. C.

Source: American Institute of Chemical Engineers, National Meeting 1986.

Publ by AIChE, New York, NY, USA Pap 4c, 16p

Publication Year: 1986

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Title: Biotreatment of Swine Manure by the Production of Spirulina Biomass.

Title: BIOTRAITEMENT DU PURIN DE PORC PAR PRODUCTION DE BIOMASSE DE SPIRULINA.

Author: Pouliot, Yvan; Talbot, Pierre; de la Noue, Joel

Source: Entropie v 22 n 130-131 1986, Biomasse, a l'Occas du Colloq Valorisation Energ et Biomassique des Dechets et Deriv de l'Agro-Aliment et de la For, Tours, Fr, Nov 13-15 1985 p 73-77

Publication Year: 1986

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Title: CONTINUOUS BIOLOGICAL PROCESS FOR NITRATE ELIMINATION FROM POTABLE WATER.

Author: Buckley, D. S.

Source: Eur Water Sewage v 90 n 1082 Apr 1986 p 165, 168

Publication Year: 1986

245 (Item 245 from file: 8)

Title: MICROALGAE BIOTECHNOLOGY.

Author: Benemann, John R.; Tillett, David M.; Weissman, Joseph C.

Source: Trends Biotechnol v 5 n 2 Feb 1987 p 47-53

Publication Year: 1987

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Title: ADVANCED NIGHT SOIL TREATMENT BY MECHANICAL SOLIDS SEPARATION AND BIOLOGICAL PROCESSES.

Author: Murakami, Y.; Ishii, Y.; Kagi, S.

Source: Water Science and Technology v 18 n 7-8 1986, Treat, Disposal and Manage of Hum Wastes, Proc of an IAWPRC Conf, Tokyo, Jpn, Sep 30-Oct 4 1985 p 347-354

Publication Year: 1986

247 (Item 247 from file: 8)

Title: NIGHT SOIL TREATMENT BY THE NITRIFIED LIQUOR RECYCLING PROCESS.

Author: Suzuki, T.; Tohya, Y.

Source: Water Science and Technology v 18 n 7-8 1986, Treat, Disposal and Manage of Hum Wastes, Proc of an IAWPRC Conf, Tokyo, Jpn, Sep 30-Oct 4 1985 p 339-346

Publication Year: 1986

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Title: ADSORPTION OF COLIPHAGES TO PARTICULATES.

Author: Ohgaki, S.; Kettratanakul, A.; Suddevgrai, S.; Prasertsom, U.; Suthienkul, O.

Source: Water Science and Technology v 18 n 7-8 1986, Treat, Disposal and Manage of Hum Wastes, Proc of an IAWPRC Conf, Tokyo, Jpn, Sep 30-Oct 4 1985 p 267-275

Publication Year: 1986

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Title: MICROBIAL QUALITY OF HUMAN WASTES AND TREATMENT PLANT EFFLUENT.

Author: Kawamura, K.; Kaneko, M.

Source: Water Science and Technology v 18 n 7-8 1986, Treat, Disposal and Manage of Hum Wastes, Proc of an IAWPRC Conf, Tokyo, Jpn, Sep 30-Oct 4 1985 p 257-265

Publication Year: 1986

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Title: NIGHT SOIL TREATMENT BY BIOLOGICAL FLUIDIZED BEDS.

Author: Kim, H. G.; Lee, Y. D.

Source: Water Science and Technology v 18 n 7-8 1986, Treat, Disposal and Manage of Hum Wastes, Proc of an IAWPRC Conf, Tokyo, Jpn, Sep 30-Oct 4 1985 p 199-208

Publication Year: 1986

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Title: GENERAL REVIEW AND NEW CONCEPTS REGARDING THE DEVELOPMENT OF HUMAN WASTEWATER TREATMENT IN JAPAN.

Author: Goda, Takeshi

Source: Water Science and Technology v 18 n 7-8 1986, Treat, Disposal and Manage of Hum Wastes, Proc of an IAWPRC Conf, Tokyo, Jpn, Sep 30-Oct 4 1985 p 137-145

Publication Year: 1986

252 (Item 252 from file: 8)

Title: STABILITY OF HYDROCARBON SAMPLES ON SOLID-PHASE EXTRACTION COLUMNS.

Author: Green, David R.; Le Pape, Donna

Source: Analytical Chemistry v 59 n 5 Mar 1 1987 p 699-703

Publication Year: 1987

253 (Item 253 from file: 8)

Title: MODELING AND SIMULATION OF A SOIL-BASED MICROBIAL TREATMENT PROCESS.

Author: Kosson, D. S.; Agnihotri, G. C.; Ahlert, R. C.

Source: Journal of Hazardous Materials v 14 n 2 Feb 1987 p 191-211

Publication Year: 1987

254 (Item 254 from file: 8)

Title: DEGRADATION OF ISOFENPHOS IN CORNFIELDS WITH CONSERVATION TILLAGE PRACTICES.

Author: Abou-Assaf, N.; Coats, J. R.; Gray, M. E.; Tollefson, J. J.
Source: Journal of Environmental Science and Health, Part B: Pesticides,
Food Contaminants, and Agricultural Wastes v B21 n 6 Dec 1986 p 425-446
Publication Year: 1986

255 (Item 255 from file: 8)

Title: HYDRAZINE DEGRADATION AND ITS EFFECT ON MICROBIAL ACTIVITY IN
SOIL.

Author: Ou, L. T.; Street, J. J.

Source: Bulletin of Environmental Contamination and Toxicology v 38 n 1
Jan 1987 p 179-183

Publication Year: 1987

256 (Item 256 from file: 8)

Title: Air Purification by Absorption with Biological Regeneration of
Scrubbing Liquid.

Title: LUFTREINHALTUNG DURCH ABSORPTION MIT BIOLOGISCHER REGENERATION DER
WASCHFLUESSIGKEIT.

Author: Schippert, E.

Source: Chemie-Technik (Heidelberg) v 15 n 2 Feb 1986 p 35-36, 39-40

Publication Year: 1986

257 (Item 257 from file: 8)

Title: COMPOSITIONAL MULTIPHASE MODEL FOR GROUNDWATER CONTAMINATION BY
PETROLEUM PRODUCTS 1. THEORETICAL CONSIDERATIONS.

Author: Corapcioglu, M. Yavuz; Baehr, Arthur L.

Source: Water Resources Research v 23 n 1 Jan 1987 p 191-200

Publication Year: 1987

258 (Item 258 from file: 8)

Title: Characterization of Polymers Used in Enhanced Oil Recovery.

Title: CARACTERIZACION DE POLIMEROS UTILIZADOS EN LA EXTRACCION MEJORADA
DE PETROLEO.

Author: Guerrero, Saul J.; Wulkop, Juan; Hernandez, Alberto

Source: Revista Tecnica INTEVEP v 6 n 2 Jul 1986 p 105-119

Publication Year: 1986

259 (Item 259 from file: 8)

Title: DEGRADATION OF TRIBUTYL TIN IN SAN DIEGO BAY, CALIFORNIA, WATERS.

Author: Seligman, Peter F.; Valkirs, Aldis O.; Lee, Richard F.

Source: Environmental Science and Technology v 20 n 12 Dec 1986 p
1229-1235

Publication Year: 1986

260 (Item 260 from file: 8)

Title: Helophyte Beds for Sewage Treatment. The Different Types,
Experiences and the Problem of Soil Hydraulics.

Title: SUMPF PFLANZEN KLAERANLAGE - VERFAHRENSVARIANTEN,
BETRIEBSERFAHRUNGEN, PROBLEM BODENHYDRAULIK.

Author: Bucksteeg, Klaus

Source: Gas und Wasserfach, Wasser Abwasser v 127 n 9 Sep 1986 p 429-434
Publication Year: 1986

261 (Item 261 from file: 8)

Title: EFFECTS OF CHLOROFORM TOXICITY ON METHANE FERMENTATION.

Author: Yang, Joseph; Speece, R. E.

Source: Water Research v 20 n 10 Oct 1986 p 1273-1279

Publication Year: 1986

262 (Item 262 from file: 8)

Title: MICROBIAL DEGRADATION OF HALOGENATED HYDROCARBONS: A BIOLOGICAL SOLUTION TO POLLUTION PROBLEMS?

Author: Mueller, Rudolf; Lingens, Franz

Source: Angewandte Chemie (International Edition in English) v 25 n 9 Sep 1986 p 779-789

Publication Year: 1986

263 (Item 263 from file: 8)

Title: OCCURRENCE AND RATES OF CHEMICAL BIODEGRADATION IN SUPERIOR HARBOR WATER.

Author: Vaishnav, Dinesh D.; Babeu, Leo

Source: Journal of Great Lakes Research v 12 n 3 1986 p 184-191

Publication Year: 1986

264 (Item 264 from file: 8)

Title: ASSESSMENT OF ANALYTICAL TECHNIQUES FOR MONITORING PETROLEUM WASTE LAND TREATMENT SYSTEMS.

Author: Devlinny, Joseph S.; Marshall, Timothy R.; Cordery, Susanne

Source: Publ by ASCE, New York, NY, USA p 496-502

Publication Year: 1986

265 (Item 265 from file: 8)

Title: THERMOPHILIC ANAEROBIC BIODEGRADATION OF WASTE COMPONENTS IN COAL GASIFICATION QUENCH LIQUORS.

Author: Castaldi, Frank J.; Hayes, Barbara J.

Source: Publ by ASCE, New York, NY, USA p 491-495

Publication Year: 1986

266 (Item 266 from file: 8)

Title: EFFECT OF BIOFILM FORMATION ON SALINITY POWER PLANT OUTPUT ON LABORATORY SCALE.

Author: Ratkje, Signe Kjelstrup; Holt, Torleif; Fiksdal, Liv

Source: AIChE Symposium Series n 248 v 82 1986. Publ by AIChE, New York, NY, USA p 39-44

Publication Year: 1986

267 (Item 267 from file: 8)

Title: FATE OF 1,2-DIBROMOETHANE (EDB) IN THE SUBSURFACE ENVIRONMENT.

Author: Moye, H. A.; Weintraub, R. A.; Jex, G. W.

Source: National Meeting - American Chemical Society, Division of Environmental Chemistry 191st v 26 n 1. Publ by ACS, Washington, DC, USA p11

Publication Year: 1986

268 (Item 268 from file: 8)

Title: BIODEGRADATION OF 1,2-DIBROMOETHANE (EDB) UNDER AEROBIC AND ANAEROBIC CONDITIONS IN SOILS.

Author: Pignatello, Joseph J.

Source: National Meeting - American Chemical Society, Division of Environmental Chemistry 191st v 26 n 1. Publ by ACS, Washington, DC, USA p 8-10

Publication Year: 1986

269 (Item 269 from file: 8)

Title: DEGRADATION OF PHENOL AND CHLOROPHENOLS BY SUNLIGHT AND MICROBES IN ESTUARINE WATER.

Author: Hwang, Huey-Min; Hodson, R. E.

Source: Environmental Science and Technology v 20 n 10 Oct 1986 p 1002-1007

Publication Year: 1986

270 (Item 270 from file: 8)

Title: BEHAVIOUR OF SELECTED CHLORINATED ORGANIC MICROPOLLUTANTS DURING BATCH ANAEROBIC DIGESTION.

Author: Buisson, R. S. K.; Kirk, P. W. W.; Lester, J. N.; Campbell, J. A.

Source: Water Pollution Control (Maidstone, England) v 85 n 3 1986 p 387-394

Publication Year: 1986

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Author: Rowland, S. J.; Alexander, R.; Kagi, R. I.; Jones, D. M.; Douglas, A. G.

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Author: Baeuerle, Ulrich; Fischer, Klaus; Bardtke, Dieter

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Title: ENANTIOSELECTIVE MICROBIAL DEGRADATION OF SOME RACEMATES STUDIED BY CHIRAL LIQUID CHROMATOGRAPHY.

Author: Allenmark, Stig; Bomgren, Bjorn; Boren, Hans
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Publication Year: 1986

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Author: Sinton, G. L.; Fan, L. T.; Erickson, L. E.; Lee, S. M.

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Author: Lawson, P. S.; Nedwell, D. B.

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Author: Harmsen, Joop

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Author: Rozich, Alan F.; Colvin, Richard J.

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Author: White, William E.

Source: Pollution Engineering v 18 n 3 Mar 1986 p 28, 30

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Author: Rahni, Mohammad Ali Nabi; Kuan, Shia S.; Guibault, George G.

Source: Enzyme and Microbial Technology v 8 n 5 May 1986 p 300-304

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Author: Atlas, Ronald M.

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Author: Bonastre, Nuria; de Mas, Carles; Sola, Carles

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Author: Blaney, Benjamin L.

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Author: Kauffman, Jim W.; Laughlin, William C.; Baldwin, Roger A.

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**42. PURDUE UNIVERSITY INDUSTRIAL WASTE CONFERENCE PROCEEDINGS
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- 390 (Item 105 from file: 41)
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- 403 (Item 118 from file: 41)
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LEWIS PUBLISHERS, CHELSEA, MI (USA)

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LEWIS PUBLISHERS, INC., CHELSEA, MI (USA)

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Pereira, W.E.; Rostad, C.E.; Updegraff, D.M.; Bennett, J.L.

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413 (Item 128 from file: 41)

Testing biodegradability of oil-dispersing agents under salt-water conditions.; Pruefung der biologischen Abbaubarkeit von Oeldispersierenden Chemikalien unter halinen Bedingungen

Wunderlich, M.

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Smith, J.A.; Novak, J.T.

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Publ.Yr: 1986

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Dombrowski, C.H.

WORLD WASTES Publ.Yr: 1987

417 (Item 132 from file: 41)

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Grady, C.P., Jr.

HAZARDOUS WASTE HAZARDOUS MATER Publ.Yr: 1986

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Burns, E.

Publ.Yr: 1986

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Melcer, H.

TECHNOLOGY TRANSFER CONFERENCE. PART B: WATER QUALITY RESEARCH Publ.Yr: 1986

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Steen, W.C.; Vasilyeva, G.K.; Anan'eva, N.D.

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Wann, D.
WASTE AGE Publ.Yr: 1986

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Bourque, D.; Bisailon, J.-G.; Beaudet, R.; Sylvestre, M.; Ishaque, M.; Morin, A.
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Wilson, J.T.; Leach, L.E.; Henson, M.; Jones, J.N.
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18. MID-ATLANTIC INDUSTRIAL WASTE CONFERENCE Publ.Yr: 1986
TECHNOMIC PUBLISHING COMPANY, LANCASTER, PA (USA)

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Parker, L.V.; Jenkins, T.F.
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Thomas, J.M.
DISS. ABST. INT. PT. B - SCI. & ENG Publ.Yr: 1986

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treated fields
Read, D.C.
AGRIC. ECOSYST. ENVIRON Publ.Yr: 1986

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Dayal, R.; Pietrzak, R.F.; Clinton, J.H.
NUCL. TECHNOL Publ.Yr: 1986

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techniques for managing solvent wastes
Blaney, B.L.
J. AIR POLLUT. CONTROL ASSOC Publ.Yr: 1986

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HAZARD ASSESSMENT OF EFFLUENTS Publ.Yr: 1986
PERGAMON PRESS, NEW YORK, NY (USA)

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Microbiological degradation of hydrocarbons in the groundwater contact
zone
AUTHOR(S): Gossel, Wolfgang; Puettmann, Wilhelm
JOURNAL: GWF, Gas- Wasserfach: Wasser/Abwasser DATE: 1991

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Application of hydrogen peroxide for the microbiological degradation of
hydrocarbons
AUTHOR(S): Riss, Andreas; Barenschee, Ernst Robert; Helmling, Oswald;
Ripper, Peter
JOURNAL: GWF, Gas- Wasserfach: Wasser/Abwasser DATE: 1991

437 (Item 3 from file: 399)

Process of microbial degradation of petroleum hydrocarbons in the downstream of the Tamagawa River

AUTHOR(S): Morito, Masanao; Yamane, Akiko; Okada, Mitsumasa; Murakami, Akihiko

JOURNAL: Suishitsu Odaku Kenkyu DATE: 1990

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Bioremediation of petroleum spills in Arctic and subarctic environments: a feasibility study. Updated report

AUTHOR(S): Travis, M. D.

JOURNAL: Report DATE: 1990 AVAIL: NTIS

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Bioremediation of wood preserving wastes using the white rot fungus *Phanerochaete chrysosporium*

AUTHOR(S): Stroo, Hans F.; Jurek, Maria A.; Bumpus, John A.; Torpy, Michael F.; Aust, Steven D.

JOURNAL: Proc. - Annu. Meet. Am. Wood-Preserv. Assoc. DATE: 1989

440 (Item 6 from file: 399)

Analytical study of biological degradation of amino acids and proteins. IV. Analytical study of the effect of chromates on degradation of amino acids by activated sludge

AUTHOR(S): Stranel, Oldrich; Mladek, Milan

JOURNAL: Kozarstvi DATE: 1990

441 (Item 7 from file: 399)

Biodegradation of mixed-organic wastes by microbial consortia in continuous-recycle expanded-bed bioreactors

AUTHOR(S): Phelps, Tommy J.; Niedzielski, John J.; Malachowsky, Kenneth J.; Schram, Richard M.; Herbes, Stephen E.; White, David C.

JOURNAL: Environ. Sci. Technol. DATE: 1991

442 (Item 8 from file: 399)

Integrated site remediation combining groundwater treatment, soil vapor recovery, and bioremediation

AUTHOR(S): Dey, Jeffrey C.; Brown, Richard A.; McFarland, Wayne E.

JOURNAL: Hazard. Mater. Control DATE: 1991

443 (Item 9 from file: 399)

In-situ bioremediation at the French Limited site

AUTHOR(S): Woodward, R.; Ramsden, D.

JOURNAL: Gas, Oil, Coal, Environ. Biotechnol. 2, (Pap. Int. IGT Symp. Gas, Oil, Coal, Environ. Biotechnol.), 2nd EDITOR: Akin, Cavit (Ed), Smith, Jared (Ed), DATE: 1990 PUBLISHER: Inst. Gas Technol., Chicago, Ill

444 (Item 10 from file: 399)

Microbial degradation of BHA in niboshi (boiled and dried anchovy) by *Aspergillus* species

AUTHOR(S): Doi, Mikiharu; Yamauchi, Hajime; Matsui, Muneaki; Shuto,

Yoshihiro; Kinoshita, Yoshiro

JOURNAL: Agric. Biol. Chem. DATE: 1991

445 (Item 11 from file: 399)

Removing VOCs from contaminated water. Part two

AUTHOR(S): Heilshorn, Elyse D.

JOURNAL: Chem. Eng. (N. Y.) DATE: 1991

446 (Item 12 from file: 399)

Photochemically enhanced microbial degradation of environmental pollutants

AUTHOR(S): Katayama, Arata; Matsumura, Fumio

JOURNAL: Environ. Sci. Technol. DATE: 1991

447 (Item 13 from file: 399)

Microbial degradation of resorcinol by indigenously isolated Micrococcus sp. and Pseudomonas sp

AUTHOR(S): Charde, V. N.; Keskar, J. B.; Ingle, A. O.; Parhad, N. M.; Daginawala, H. F.

JOURNAL: J. Ind. Pollut. Control DATE: 1990

448 (Item 14 from file: 399)

Physiology of microbial degradation of chitin and chitosan

AUTHOR(S): Gooday, Graham W.

JOURNAL: Biodegradation DATE: 1990

449 (Item 15 from file: 399)

Microbial degradation of chelating agents used in detergents with special reference to nitrilotriacetic acid (NTA)

AUTHOR(S): Egli, Thomas; Bally, Matthias; Uetz, Thomas

JOURNAL: Biodegradation DATE: 1990

450 (Item 16 from file: 399)

Microbial degradation of phenolic compounds in groundwater

AUTHOR(S): Junghans, M.; Rosenbrock, U.; Thoene, C.; Niebelschuetz, H.

JOURNAL: DECHEMA Biotechnol. Conf. DATE: 1990

451 (Item 17 from file: 399)

Bioremediation potential of toxics by manipulation of deep terrestrial subsurface ecosystems

AUTHOR(S): Phelps, Tommy J.; White, David C.

JOURNAL: Gas, Oil, Coal, Environ. Biotechnol. 2, (Pap. Int. IGT Symp. Gas, Oil, Coal, Environ. Biotechnol.), 2nd EDITOR: Akin, Cavit (Ed), Smith, Jared (Ed), DATE: 1990 PUBLISHER: Inst. Gas Technol., Chicago, Ill

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A rapid method for assessing the resistance of polyurethanes to biodeterioration

AUTHOR(S): Dale, R.; Squirrell, D. J.

JOURNAL: Int. Biodeterior. DATE: 1990

453 (Item 19 from file: 399)

In situ biodegradation: microbiological patterns in a contaminated aquifer

AUTHOR(S): Madsen, Eugene L.; Sinclair, James L.; Ghiorse, William C.
JOURNAL: Science (Washington, D. C., 1883-) DATE: 1991

454 (Item 20 from file: 399)

EPA's Alaska oil spill bioremediation project. Part 5

AUTHOR(S): Pritchard, P. Hap; Costa, Charles F.
JOURNAL: Environ. Sci. Technol. DATE: 1991

455 (Item 21 from file: 399)

Quantitative assessment of the effects of metals on microbial degradation of organic chemicals

AUTHOR(S): Said, William A.; Lewis, David L.
JOURNAL: Appl. Environ. Microbiol. DATE: 1991

456 (Item 22 from file: 399)

Microbial degradation of N-alkylsulfonaminocarboxylate

AUTHOR(S): Ohkawa, Tadashi; Hirayama, Masao
JOURNAL: Bokin Bobai DATE: 1990

457 (Item 23 from file: 399)

Microbial degradation of the morphine alkaloids. Purification and characterization of morphine dehydrogenase from *Pseudomonas putida* M10

AUTHOR(S): Bruce, Neil C.; Wilmot, Clare J.; Jordan, Keith N.; Stephens, Lauren D. Gray; Lowe, Christopher R.
JOURNAL: Biochem. J. DATE: 1991

458 (Item 24 from file: 399)

Microbial degradation of methanesulfonic acid: a missing link in the biogeochemical sulfur cycle

AUTHOR(S): Baker, Simon C.; Kelly, Don P.; Murrell, J. Colin
JOURNAL: Nature (London) DATE: 1991

459 (Item 25 from file: 399)

Microbial degradation of crude oil on the sea surface by adding nutrient microcapsules

AUTHOR(S): Yamane, Akiko; Okada, Mitsumasa; Murakami, Akihiko
JOURNAL: Suishitsu Odaku Kenkyu DATE: 1990

460 (Item 26 from file: 399)

Sediment- and saturated-soil-associated reactions involving an anionic surfactant (dodecylsulfate). 1. Precipitation and micelle formation

AUTHOR(S): Jafvert, Chad T.; Heath, Janice K.
JOURNAL: Environ. Sci. Technol. DATE: 1991

461 (Item 27 from file: 399)

Sediment- and saturated-soil-associated reactions involving an anionic surfactant (dodecyl sulfate). 2. Partition of PAH compounds among phases

AUTHOR(S): Jafvert, Chad T.

JOURNAL: Environ. Sci. Technol. DATE: 1991

462 (Item 28 from file: 399)

Bench-scale evaluation of alternative biological treatment processes for the remediation of pentachlorophenol- and creosote-contaminated materials.

Solid-phase bioremediation

AUTHOR(S): Mueller, James G.; Lantz, Suzanne E.; Blattmann, Beat O.; Chapman, Peter J.

JOURNAL: Environ. Sci. Technol. DATE: 1991

463 (Item 29 from file: 399)

Bench-scale evaluation of alternative biological treatment processes for the remediation of pentachlorophenol- and creosote-contaminated materials.

Slurry-phase bioremediation

AUTHOR(S): Mueller, James G.; Lantz, Suzanne E.; Blattmann, Beat O.; Chapman, Peter J.

JOURNAL: Environ. Sci. Technol. DATE: 1991

464 (Item 30 from file: 399)

Soil washing as pretreatment for soil bioremediation

AUTHOR(S): Chilcote, Dennis D.; Valine, Steven B.; Chresand, Thomas J.

JOURNAL: Gas, Oil, Coal, Environ. Biotechnol. 2, (Pap. Int. IGT Symp. Gas, Oil, Coal, Environ. Biotechnol.), 2nd EDITOR: Akin, Cavit (Ed), Smith, Jared (Ed), DATE: 1990 PUBLISHER: Inst. Gas Technol., Chicago, Ill

465 (Item 31 from file: 399)

Bioremediation of pentachlorophenol-contaminated soil: bench-scale to full-scale implementation

AUTHOR(S): Mahaffey, William R.; Sanford, Robert A.

JOURNAL: Gas, Oil, Coal, Environ. Biotechnol. 2, (Pap. Int. IGT Symp. Gas, Oil, Coal, Environ. Biotechnol.), 2nd EDITOR: Akin, Cavit (Ed), Smith, Jared (Ed), DATE: 1990 PUBLISHER: Inst. Gas Technol., Chicago, Ill

466 (Item 32 from file: 399)

Enhancement of microbial degradation of hydrocarbons in soil and water

AUTHOR(S): Gauger, W. Kennedy; Kilbane, J. J.; Kelley, R. L.; Srivastava, V. J.

JOURNAL: Gas, Oil, Coal, Environ. Biotechnol. 2, (Pap. Int. IGT Symp. Gas, Oil, Coal, Environ. Biotechnol.), 2nd EDITOR: Akin, Cavit (Ed), Smith, Jared (Ed), DATE: 1990 PUBLISHER: Inst. Gas Technol., Chicago, Ill

467 (Item 33 from file: 399)

Microbial degradation of low-molecular-weight halogenated hydrocarbons

AUTHOR(S): Tsien, H. C.; Brusseau, G. A.; Wackett, L. P.; Hanson, R. S.

JOURNAL: Gas, Oil, Coal, Environ. Biotechnol. 2, (Pap. Int. IGT Symp. Gas, Oil, Coal, Environ. Biotechnol.), 2nd EDITOR: Akin, Cavit (Ed), Smith, Jared (Ed), DATE: 1990 PUBLISHER: Inst. Gas Technol., Chicago, Ill

468 (Item 34 from file: 399)

Bioreactor study of the microbial degradation of low-rank coals

AUTHOR(S): John, Vijay T.; Dahlberg, Michael D.

JOURNAL: Bioprocess. Biotreat. Coal EDITOR: Wise, Donald Lee (Ed),

DATE: 1990 PUBLISHER: Dekker, New York, N. Y

469 (Item 35 from file: 399)

Bioremediation of chlorophenol-contaminated groundwater

AUTHOR(S): Valo, Risto; Hakulinen, Risto

JOURNAL: Kem. - Kemi DATE: 1990

470 (Item 36 from file: 399)

Application of biodegradation screening protocol to contaminated soils
from manufactured gas plant sites

AUTHOR(S): Smith, John R.; Nakles, David V.; Cushey, Mark A.; Morgan,
David J.

JOURNAL: Gas, Oil, Coal, Environ. Biotechnol. 2, (Pap. Int. IGT Symp.

Gas, Oil, Coal, Environ. Biotechnol.), 2nd EDITOR: Akin, Cavit (Ed),

Smith, Jared (Ed), DATE: 1990 PUBLISHER: Inst. Gas Technol., Chicago, Ill

471 (Item 37 from file: 399)

Microbial degradation of protein in anaerobic two-stage wastewater
treatment plants: gelatine conversion in the presence of glucose

AUTHOR(S): Winterberg, R.; Schoberth, S. M.; Sahm, H.

JOURNAL: DECHEMA Biotechnol. Conf. DATE: 1990

472 (Item 38 from file: 399)

Use of surfactants in the bioremediation of petroleum-contaminated soils

AUTHOR(S): Green, G.

JOURNAL: Report DATE: 1989 AVAIL: NTIS

473 (Item 39 from file: 399)

Biological treatment of soils containing manufactured gas plant residues.

Topical report June 1988-February 1990

AUTHOR(S): Cushey, M. A.; Morgan, D. J.

JOURNAL: Report DATE: 1990 AVAIL: NTIS

474 (Item 40 from file: 399)

Microbial degradation of environmentally persistent organopollutants:
recent progress and future promise

AUTHOR(S): Bumpus, John A.

JOURNAL: Adv. Appl. Biotechnol. Ser. DATE: 1989

475 (Item 41 from file: 399)

Enhanced bioremediation utilizing hydrogen peroxide as a supplemental
source of oxygen: a laboratory and field study

AUTHOR(S): Huling, S. G.; Bledsoe, B. E.; White, M. V.

JOURNAL: Report DATE: 1990 AVAIL: NTIS

- 476 (Item 42 from file: 399)
Biodegradation of contaminated soil - illustrated by an account of a pipeline spill
AUTHOR(S): Webb, C. L. F.
JOURNAL: Erdoel, Erdgas, Kohle DATE: 1990
- 477 (Item 43 from file: 399)
Bioremediation of contaminated surface soils
AUTHOR(S): Sims, J. L.; Sims, R. C.; Matthews, J. E.
JOURNAL: Report DATE: 1989 AVAIL: NTIS
- 478 (Item 44 from file: 399)
Cleanup of old industrial sites
AUTHOR(S): Salkinoja-Salonen, Mirja; Middeldorp, Peter; Briglia, Maria; Valo, Risto; Haggblom, Max; McBain, Adam
JOURNAL: Adv. Appl. Biotechnol. Ser. DATE: 1990
- 479 (Item 45 from file: 399)
Microbial degradation of pentachlorophenol and lindane in laboratory-scale activated sludge reactors
AUTHOR(S): Jacobsen, B. N.; Nyholm, N.; Pedersen, B. M.; Poulsen, O.; Oestfeldt, P.
JOURNAL: Water Sci. Technol. DATE: 1991
- 480 (Item 46 from file: 399)
Studies on the biological degradation of oak wood (*Quercus mongolica*) by white-rot fungus, *Phanerochaete chrysosporium*
AUTHOR(S): Lim, Chang Suk; Cho, Nam Seok
JOURNAL: Palpu, Chongi Gisul DATE: 1990
- 481 (Item 47 from file: 399)
Quantitative field evaluation of bioremediation of a fuel spill using hydrogen peroxide
AUTHOR(S): Wilson, J. T.; Kampbell, D. H.; Armstrong, J. M.; Raymond, R. L.; Thomas, J. M.; Fiorenza, S.; Rifai, H. S.; Bedient, P. B.; Ward, C. H.
JOURNAL: DECHEMA Biotechnol. Conf. DATE: 1989
- 482 (Item 48 from file: 399)
Microbial degradation of aspergillic acid by *Trichoderma koningii* M 102
AUTHOR(S): Nishimura, Atsuo; Yoshizako, Fumiki; Ueno, Teruo; Yokoyama, Tatsuo
JOURNAL: J. Ferment. Bioeng. DATE: 1991
- 483 (Item 49 from file: 399)
Molecular aspects of enhanced microbial degradation of pesticides
AUTHOR(S): Head, I. M.; Cain, R. B.; Suett, D. L.
JOURNAL: Brighton Crop Prot. Conf.—Pests Dis. DATE: 1990
- 484 (Item 50 from file: 399)
Transport of substrate and biomass in porous media with application to in-situ bioremediation of organic contaminants in groundwater

AUTHOR(S): Taylor, Stewart Warren
DATE: 1990 AVAIL: Univ. Microfilms Int., Order No. DA9026418

485 (Item 51 from file: 399)

Bioventing for in situ treatment of hydrocarbon contamination

AUTHOR(S): Hinchee, Robert E.; Miller, Ross N.

JOURNAL: Hazard. Mater. Control DATE: 1990

486 (Item 52 from file: 399)

Biological treatment of coating wastes

AUTHOR(S): Jandel, Almuth Sigrun

JOURNAL: Umwelt DATE: 1990

487 (Item 53 from file: 399)

Composition and susceptibility to rumen microbial degradation of
nonmesophyll cell walls isolated from Caucasian bluestem (*Bothriochloa*
caucasica (Trin)) leaf tissue

AUTHOR(S): Piwonka, Edward J.; MacAdam, Jennifer W.; Kerley, Monty S.;
Paterson, John A.

JOURNAL: J. Agric. Food Chem. DATE: 1991

488 (Item 54 from file: 399)

Microbial degradation of bitumen

AUTHOR(S): Wolf, M.

JOURNAL: Report DATE: 1989 AVAIL: Nagra, CH-5401 Baden, Switz.

489 (Item 55 from file: 399)

Transformation kinetics of trace-level halogenated organic contaminants
in a biologically active zone (BAZ) induced by nitrate injection

AUTHOR(S): Bae, Wookeun; Odencrantz, Joseph E.; Rittmann, Bruce E.;
Valocchi, Albert J.

JOURNAL: J. Contam. Hydrol. DATE: 1990

490 (Item 56 from file: 399)

Stimulation of biologically active zones (BAZ's) in porous media by
electron-acceptor injection

AUTHOR(S): Odencrantz, Joseph E.; Bae, Wookeun; Valocchi, Albert J.;
Rittmann, Bruce E.

JOURNAL: J. Contam. Hydrol. DATE: 1990

491 (Item 57 from file: 399)

Microbial degradation of phosphonates and phosphinates

INVENTOR(AUTHOR): Lerbs, Werner; Weidhase, Rosemarie; Slama, Birgit;
Janke, Dieter; Parthier, Benno; Weidhase, Reinhard

492 (Item 58 from file: 399)

Sand and activated carbon as biofilm carriers for microbial degradation
of phenols and nitrogen-containing aromatic compounds

AUTHOR(S): Koch, B.; Ostermann, M.; Hoeke, H.; Hempel, D. C.

JOURNAL: Water Res. DATE: 1991

493 (Item 59 from file: 399)

Biological degradation of a mixture of nitrogen containing aromatics from tar refinery wastewater

AUTHOR(S): Hoeke, Hartmut; Hempel, Dietmar C.

JOURNAL: GWF, Gas- Wasserfach: Wasser/Abwasser DATE: 1990

494 (Item 60 from file: 399)

Microbial degradation of fatty acid diethanolamide

AUTHOR(S): Ohkawa, Tadashi

JOURNAL: Bokin Bobai DATE: 1990

495 (Item 61 from file: 399)

Microbial degradation of readily volatile chlorinated hydrocarbons from ground and surface waters

INVENTOR(AUTHOR): Kaestner, Matthias

496 (Item 62 from file: 399)

Microbial degradation of halogenated hydrocarbons in water

INVENTOR(AUTHOR): Little, C. Deane

497 (Item 63 from file: 399)

Sorption and microbial degradation of naphthalene in soil-water suspensions under denitrification conditions

AUTHOR(S): Mihelcic, James R.; Luthy, Richard G.

JOURNAL: Environ. Sci. Technol. DATE: 1991

498 (Item 64 from file: 399)

Formaldehyde and its utilization for the protection of nitrogen compounds in feeds from microbial degradation (in rumen).

AUTHOR(S): Ceresnakova, Zuzana; Sommer, Alexander

JOURNAL: Agrochemia (Bratislava) DATE: 1990

499 (Item 65 from file: 399)

1,4 Androstadiene-3,12-dione manufacture by microbial degradation of sterols

INVENTOR(AUTHOR): Gottschaldt, Birgit; Grosse, Hans Helmut; Hoerhold, Claere; Blei, Lutz; Wetzker, Monika; Plonka, Gunter; Werner, Wilja; Kropik, Erhard

500 (Item 66 from file: 399)

Genetic and biochemical studies of microbial degradation of thiophenes

AUTHOR(S): Evans, Janet Sylvia

DATE: 1989 AVAIL: Univ. Microfilms Int., Order No. BRDX89847

501 (Item 67 from file: 399)

Bioremediation of oil contaminated land

AUTHOR(S): Ellis, B.; Balba, M. T.; Theile, P.

JOURNAL: Environ. Technol. DATE: 1990

502 (Item 68 from file: 399)

Microbial degradation of the morphine alkaloids: identification of morphinone as an intermediate in the metabolism of morphine by *Pseudomonas putida* M10

AUTHOR(S): Bruce, Neil C.; Wilmot, Clare J.; Jordan, Keith N.; Trebilcock, Anna E.; Stephens, Lauren D. Gray; Lowe, Christopher R.
JOURNAL: Arch. Microbiol. DATE: 1990

503 (Item 69 from file: 399)

Anaerobic microbial degradation of acridine and the application of remote fiber spectroscopy to monitor the transformation process

AUTHOR(S): Knezovich, John P.; Bishop, Dorothy J.; Kulp, Thomas J.; Grbic-Galic, Dunja; Dewitt, John
JOURNAL: Environ. Toxicol. Chem. DATE: 1990

504 (Item 70 from file: 399)

Biological treatment of organic wastewater

INVENTOR(AUTHOR): Kataoka, Katsuyuki; Okazaki, Haruo

505 (Item 71 from file: 399)

Degradation of polynuclear aromatic hydrocarbons (PAHs) in soils utilizing enhanced bioremediation

AUTHOR(S): Sherman, Donald F.; Stroo, Hans F.; Bratina, James
JOURNAL: Gas, Oil, Coal Biotechnol. 1, (Pap. Int. IGT Symp.), 1st
EDITOR: Akin, Cavit (Ed), Smith, Jared (Ed), DATE: 1990 MEETING DATE: 880000 PUBLISHER: IGT, Chicago, Ill

506 (Item 72 from file: 399)

Biodegradation of dinoseb (2-sec-butyl-4,6-dinitrophenol) and bioremediation of dinoseb-contaminated soils

AUTHOR(S): Stevens, Todd Owen
DATE: 1989 AVAIL: Univ. Microfilms Int., Order No. DA9022093

507 (Item 73 from file: 399)

In situ bioremediation of spills from underground storage tanks: new approaches for site characterization project design, and evaluation of performance

AUTHOR(S): Wilson, J. T.; Leach, L. E.; Michalowski, J.; Vandegrift, S.; Callaway, R.
JOURNAL: Report DATE: 1989 AVAIL: NTIS

508 (Item 74 from file: 399)

Assessment of potential for in-situ bioremediation

AUTHOR(S): Raymond, R. L.; Lee, M. D.; Ward, C. H.
JOURNAL: DECHEMA Biotechnol. Conf. DATE: 1989

509 (Item 75 from file: 399)

Microbial systems analysis for increased predictive reliability in polyaromatic hydrocarbon bioremediations

AUTHOR(S): Blackburn, James W.
JOURNAL: Gas, Oil, Coal Biotechnol. 1, (Pap. Int. IGT Symp.), 1st

EDITOR: Akin, Cavit (Ed), Smith, Jared (Ed), DATE: 1990 MEETING DATE:
880000 PUBLISHER: IGT, Chicago, Ill

510 (Item 76 from file: 399)

Microbial degradation of pesticides

AUTHOR(S): Zheng, Zhong

JOURNAL: Huanjing Kexue DATE: 1990

511 (Item 77 from file: 399)

Microbiological degradation of tar oil in water and soil

AUTHOR(S): Kahle-Anders, Gisa; Hanert, Hans Helmut

JOURNAL: GWF, Gas- Wasserfach: Wasser/Abwasser DATE: 1990

512 (Item 78 from file: 399)

Biological treatment of groundwater, soils, and soil vapors contaminated
with petroleum hydrocarbons

AUTHOR(S): Galaska, Edward G.; Skladany, George J.; Nyer, Evan K.

JOURNAL: Proc. Ind. Waste Conf. DATE: 1990 MEETING DATE: 890000

513 (Item 79 from file: 399)

Microbial degradation of polyethylene farming-mulch-film after its
photodegradation

AUTHOR(S): Li, Fengzhen; Zheng, Hongyuan; Liu, Zengzhu; Zhang, Shuxian;
Lu, Yaobo; Liu, Ruijun

JOURNAL: Huanjing Kexue DATE: 1990

514 (Item 80 from file: 399)

Biological degradation of sulfuric acid in a fixed-bed upflow anaerobic
reactors

AUTHOR(S): Huerzeler, Richard; Stucki, Gerhard

JOURNAL: GWF, Gas- Wasserfach: Wasser/Abwasser DATE: 1990

515 (Item 81 from file: 399)

Microbial degradation of keratins

INVENTOR(AUTHOR): Danew, Petko; Klossek, Peter; Schneider, Reinhard

516 (Item 82 from file: 399)

Bioremediation of former manufactured gas plant sites

AUTHOR(S): Srivastava, Vipul J.; Kilbane, John J.; Kelley, Robert L.;
Gauger, W. Kennedy; Akin, Cavit; Hayes, Thomas D.; Linz, David G.

JOURNAL: Proc. Ind. Waste Conf. DATE: 1990 MEETING DATE: 890000

517 (Item 83 from file: 399)

In situ soil bioremediation: the interface between biology and
engineering

AUTHOR(S): Baker, Katherine H.; Wegman, Dara L.; Herson, Diane S.

JOURNAL: Hazard. Ind. Waste DATE: 1989

- 518 (Item 84 from file: 399)
Biodegradation of petroleum contaminants in soil
AUTHOR(S): Magazu, Donna M.; Carberry, Judith
JOURNAL: Hazard. Ind. Waste DATE: 1989
- 519 (Item 85 from file: 399)
Microbial degradation of commodity synthetic polymers
AUTHOR(S): Tomita, Kosuke
JOURNAL: Kobunshi DATE: 1990
- 520 (Item 86 from file: 399)
Microbial degradation of plant sterol to steroidal intermediates by a mutant of *Mycobacterium* sp
AUTHOR(S): Lee, Kang Up; Jiu, James
JOURNAL: Sanop Misaengmul Hakhoechi DATE: 1990
- 521 (Item 87 from file: 399)
Microbial degradation of non-volatile-amine
AUTHOR(S): Lee, Tae Seek; Park, Jeong Heum; Lee, Myung Suk; Hur, Sung Ho
JOURNAL: Han'guk Susan Hakhoechi DATE: 1990
- 522 (Item 88 from file: 399)
Microbial degradation of hydrocarbons in the environment
AUTHOR(S): Leahy, Joseph G.; Colwell, Rita R.
JOURNAL: Microbiol. Rev. DATE: 1990
- 523 (Item 89 from file: 399)
Environmental and physiological factors important to the microbial degradation of 2,4-D in soil and in culture
AUTHOR(S): Greer, Linda Elizabeth
DATE: 1989 AVAIL: Univ. Microfilms Int., Order No. DA9012468
- 524 (Item 90 from file: 399)
Environmental fate mechanisms influencing biological degradation of coal-tar derived polynuclear aromatic hydrocarbons in soil systems
AUTHOR(S): Smith, John R.; Nakles, David V.; Sherman, Donald F.; Neuhauser, Edward F.; Loehr, Raymond C.; Erickson, David
JOURNAL: U. S. Environ. Prot. Agency, Res. Dev., (Rep.) EPA DATE: 1989
- 525 (Item 91 from file: 399)
The application of molecular genetics techniques to bioremediation processes: final report
AUTHOR(S): Alpert, S.
JOURNAL: Report DATE: 1989 AVAIL: RRC P.O. Box 50490, Palo Alto, CA 94303
- 526 (Item 92 from file: 399)
Design considerations for fixed-film, aerobic, microbiological degradation of hazardous waste
AUTHOR(S): Troy, Marleen A.; Pipes, Wesley O.
JOURNAL: U. S. Environ. Prot. Agency, Res. Dev., (Rep.) EPA DATE: 1989

- 527 (Item 93 from file: 399)
Microbial degradation of s-triazine
AUTHOR(S): Baggi, G.
JOURNAL: Ann. Microbiol. Enzimol. DATE: 1989
- 528 (Item 94 from file: 399)
Biological degradation of cyanide by nitrogen-fixing cyanobacteria
AUTHOR(S): Gantzer, C. J.; Maier, W. J.
JOURNAL: Report DATE: 1988 AVAIL: NTIS
- 529 (Item 95 from file: 399)
In-situ bioremediation of cyanide
AUTHOR(S): Weber, Robert C.; Smith, Gregory; Aiken, Joseph; Woodward, Dr. Richard; Ramsden, David
JOURNAL: U. S. Environ. Prot. Agency, Res. Dev., (Rep.) EPA DATE: 1989
- 530 (Item 96 from file: 399)
Effects of long-term phenoxyalkanoic acid herbicide field applications on the rate of microbial degradation
AUTHOR(S): Smith, Allan E.; Lafond, Guy P.
JOURNAL: ACS Symp. Ser. DATE: 1990
- 531 (Item 97 from file: 399)
Release of mutagens after chemical or microbial degradation of beech wood lignin
AUTHOR(S): Mohtashamipur, E.; Norpoth, K.
JOURNAL: Toxicol. Lett. DATE: 1990
- 532 (Item 98 from file: 399)
Microbial degradation of xenobiotic compounds in soil columns
AUTHOR(S): Pfarl, Christian; Ditzelmueller, Guenther; Loidl, Michael; Streichsbier, Franz
JOURNAL: FEMS Microbiol. Ecol. DATE: 1990
- 533 (Item 99 from file: 399)
Biological treatment of landfill leachate
AUTHOR(S): Wagner, Friedrich; Wienands, Hubert
JOURNAL: Umwelt DATE: 1989
- 534 (Item 100 from file: 399)
Formation of organic acids from lignin by ozonolysis and biological degradation
AUTHOR(S): Sawada, T.; Motoi, M.; Nakamura, Y.
JOURNAL: AIChE For. Prod. Div. Sess. DATE: 1989 MEETING DATE: 880000
PUBLISHER: TAPPI, Atlanta, Ga
- 535 (Item 101 from file: 399)
The future of bioremediation: prospects for genetically engineered microorganisms
AUTHOR(S): Loper, John C.
JOURNAL: Hazard. Mater. Control DATE: 1989

536 (Item 102 from file: 399)
Bioremediation of hazardous waste
AUTHOR(S): Bourquin, Al W.
JOURNAL: Hazard. Mater. Control DATE: 1989

537 (Item 103 from file: 399)
Biological degradation of detergent fluorescent whitening agents
AUTHOR(S): Katayama, Michiko
JOURNAL: Nippon Kasei Gakkaishi DATE: 1989

538 (Item 104 from file: 399)
Microbial degradation of vitamin A in rumen fluid from steers fed
concentrate, hay or straw diets
AUTHOR(S): Rode, L. M.; McAllister, T. A.; Cheng, K. J.
JOURNAL: Can. J. Anim. Sci. DATE: 1990

539 (Item 105 from file: 399)
Petroleum and chlorinated hydrocarbon analysis in support of in vitro
studies of natural anaerobic and aerobic microbial degradation of
xenobiotics in contaminated groundwater and soil
AUTHOR(S): Payne, James R.; Floyd, Mark S.
JOURNAL: Int. J. Environ. Anal. Chem. DATE: 1990

540 (Item 106 from file: 399)
Microbial degradation of polycyclic aromatic hydrocarbons under
denitrification conditions in soil-water suspensions: final report
AUTHOR(S): Mihelcic, J. R.; Luthy, R. G.
JOURNAL: Report DATE: 1988 AVAIL: NTIS

541 (Item 107 from file: 399)
Microbial degradation of trichloroethylene in wastewater treatment
INVENTOR(AUTHOR): Winter, Robert B.; Yen, Kwang Mu; Ensley, Burt D.

542 (Item 108 from file: 399)
Enhanced microbial degradation of styrene in shallow soils and ground
water
AUTHOR(S): Kuhlmeier, Paul D.
JOURNAL: IAHS Publ. DATE: 1989

543 (Item 109 from file: 399)
Interrelations of chemistry and biotechnology - II. Microbial degradation
of synthetic recalcitrant compounds
AUTHOR(S): Rothmel, Randi K.; Chakrabarty, Ananda M.
JOURNAL: Pure Appl. Chem. DATE: 1990

544 (Item 110 from file: 399)
Factors influencing the enhanced microbial degradation of pesticides in
soil
AUTHOR(S): Somasundaram, L.
DATE: 1989 AVAIL: Univ. Microfilms Int., Order No. DA9003565

- 545 (Item 111 from file: 399)
Enhanced microbial degradation of pesticides in soil and methods for its control
AUTHOR(S): Yamada, Tadao
JOURNAL: Shokubutsu Boeki DATE: 1990
- 546 (Item 112 from file: 399)
Microbial degradation of non-ionic surfactants
AUTHOR(S): Turkovskaya, O. V.; Shub, G. M.
JOURNAL: Prikl. Biokhim. Mikrobiol. DATE: 1989
- 547 (Item 113 from file: 399)
Microbial degradation of medium distillates in the sea
AUTHOR(S): Bruns, Kai
JOURNAL: Ber. - Dtsch. Wiss. Ges. Erdoel, Erdgas Kohle DATE: 1989
- 548 (Item 114 from file: 399)
Treatment and reclamation, a biological treatment method
AUTHOR(S): Neuray, G.; Henrard, G.; Servais, P.; Codefroid, J. M.
JOURNAL: Trib. Eau DATE: 1989
- 549 (Item 115 from file: 399)
Microbial degradation of aromatic compounds
AUTHOR(S): Lingens, F.
JOURNAL: Schriftenr. Ver. Wasser-, Boden- Lufthyg. DATE: 1988
- 550 (Item 116 from file: 399)
Preparation of optically pure (S)-(+)-2-oxothiazolidine-4-carboxylic acid from a racemate by microbial degradation of the (R)-enantiomer
AUTHOR(S): Mochizuki, Kazuya; Yamazaki, Yoshimitsu; Hosono, Kuniaki
JOURNAL: Agric. Biol. Chem. DATE: 1990
- 551 (Item 117 from file: 399)
Azolla pinnata R.Br. and Lemna minor L. for removal of lead and zinc from polluted water
AUTHOR(S): Jain, S. K.; Vasudevan, P.; Jha, N. K.
JOURNAL: Water Res. DATE: 1990
- 552 (Item 118 from file: 399)
Microbial degradation of nitro aromatic compounds from a former explosive production site. Part 2. Migration and microbial metabolization of 2,4,6-trinitrotoluene (TNT) in groundwater
AUTHOR(S): Von Loew, Eberhard; Kaminski, Lothar; Neumeier, Wolfgang; Hass, Rainer; Steinbach, Klaus
JOURNAL: Forum Staedte-Hyg. DATE: 1989
- 553 (Item 119 from file: 399)
System for biological degradation of chlorinated organic solvents
INVENTOR(AUTHOR): Frahne, Dietrich

- 554 (Item 120 from file: 399)
Bioremediation potential of terrestrial fuel spills
AUTHOR(S): Song, Hong Gyu; Wang, Xiaoping; Bartha, Richard
JOURNAL: Appl. Environ. Microbiol. DATE: 1990
- 555 (Item 121 from file: 399)
Aerobic biodegradation of aromatic and chlorinated hydrocarbons commonly detected in landfill leachates
AUTHOR(S): Berwanger, Della J.; Barker, James F.
JOURNAL: Water Pollut. Res. J. Can. DATE: 1988
- 556 (Item 122 from file: 399)
Microbial degradation of quinoline and methylquinolines
AUTHOR(S): Aislabie, Jackie; Bej, Asim K.; Hurst, Harrell; Rothenburger, Stephen; Atlas, Ronald M.
JOURNAL: Appl. Environ. Microbiol. DATE: 1990
- 557 (Item 123 from file: 399)
Microbial degradation of oil and creosote related aromatic compounds under aerobic and anaerobic conditions
AUTHOR(S): Arvin, Erik; Jensen, Bjorn; Godsy, Edward M.; Grbic-Galic, Dunja
JOURNAL: Int. Conf. Physiochemical Biol. Detoxif. Hazard. Wastes
EDITOR: Wu, Yeun C (Ed), DATE: 1989 MEETING DATE: 880000 PUBLISHER: Technomic, Lancaster, Pa
- 558 (Item 124 from file: 399)
Biotechnological and process technological developments for microbial degradation of hazardous compounds
AUTHOR(S): Hempel, D. C.; Koch, B.
JOURNAL: DECHEMA Biotechnol. Conf. DATE: 1988 MEETING DATE: 870000
- 559 (Item 125 from file: 399)
Activation of the biological degradation of persistent organic environmental chemicals from a polluted groundwater
AUTHOR(S): Hoppenheidt, Klaus; Kaestner, Matthias; Hanert, Hans Helmut
JOURNAL: GWF, Gas- Wasserfach: Wasser/Abwasser DATE: 1989
- 560 (Item 126 from file: 399)
Methods for aerobic biological degradation petroleum substances in rocks
AUTHOR(S): Houzim, Vladimir; Cizek, Jiri
JOURNAL: Geol. Pruzkum DATE: 1989
- 561 (Item 127 from file: 399)
Development of innovative biological techniques for the bioremediation of manufactured gas plant sites
AUTHOR(S): Sherman, Donald F.; Loehr, Raymond C.; Neuhauser, Edward F.
JOURNAL: Int. Conf. Physiochemical Biol. Detoxif. Hazard. Wastes
EDITOR: Wu, Yeun C (Ed), DATE: 1989 MEETING DATE: 880000 PUBLISHER: Technomic, Lancaster, Pa

562 (Item 128 from file: 399)

Protocol development for the biological remediation of a wood-treating site

AUTHOR(S): Christiansen, John; Irwin, Bill; Titcomb, Earl; Morris, Steven

JOURNAL: Int. Conf. Physiochemical Biol. Detoxif. Hazard. Wastes

EDITOR: Wu, Yeun C (Ed), DATE: 1989 MEETING DATE: 880000 PUBLISHER: Technomic, Lancaster, Pa

563 (Item 129 from file: 399)

Microbial degradation of lignocellulosic materials

AUTHOR(S): Bujak, Stanislaw; Targonski, Zdzislaw

JOURNAL: Postepy Mikrobiol. DATE: 1988

564 (Item 130 from file: 399)

Bioreclamation of styrene contaminated soils - a case history

AUTHOR(S): Kuhlmeier, Paul D.

JOURNAL: Int. Conf. Physiochemical Biol. Detoxif. Hazard. Wastes

EDITOR: Wu, Yeun C (Ed), DATE: 1989 MEETING DATE: 880000 PUBLISHER: Technomic, Lancaster, Pa

565 (Item 131 from file: 399)

Development of an in situ bioremediation system for a creosote-contaminated site

AUTHOR(S): Stroo, Hans F.; Mahaffey, William; Bourquin, Al W.

JOURNAL: Int. Conf. Physiochemical Biol. Detoxif. Hazard. Wastes

EDITOR: Wu, Yeun C (Ed), DATE: 1989 MEETING DATE: 880000 PUBLISHER: Technomic, Lancaster, Pa

566 (Item 132 from file: 399)

Improved understanding and application of hazardous waste biological treatment processes using microbial systems analysis techniques

AUTHOR(S): Blackburn, J. W.

JOURNAL: Hazard. Waste Hazard. Mater. DATE: 1989

567 (Item 133 from file: 399)

Biological degradation of xenobiotics in waste management

AUTHOR(S): Visscher, K.; Brinkman, J.

JOURNAL: Hazard. Waste Hazard. Mater. DATE: 1989

568 (Item 134 from file: 399)

The potential effects of sorption processes on the microbial degradation of hydrophobic organic compounds in soil-water suspensions

AUTHOR(S): Mihelcic, James R.; Luthy, Richard G.

JOURNAL: Int. Conf. Physiochemical Biol. Detoxif. Hazard. Wastes

EDITOR: Wu, Yeun C (Ed), DATE: 1989 MEETING DATE: 880000 PUBLISHER: Technomic, Lancaster, Pa

569 (Item 135 from file: 399)

Microbial degradation of chlorinated hydrocarbons

AUTHOR(S): Graf, Helmut

JOURNAL: GIT Fachz. Lab. DATE: 1989

- 570 (Item 136 from file: 399)
Biological treatment of liquid hazardous waste. A contribution to protection of the North Sea
AUTHOR(S): Wagner, F.
JOURNAL: Chem.-Tech. (Heidelberg) DATE: 1989
- 571 (Item 137 from file: 399)
Sequential photochemical and microbial degradation of organic molecules bound to humic acid
AUTHOR(S): Amador, Jose A.; Alexander, Martin; Zika, Rod G.
JOURNAL: Appl. Environ. Microbiol. DATE: 1989
- 572 (Item 138 from file: 399)
Microbial degradation of polychlorinated biphenyls
INVENTOR(AUTHOR): Kanehara, Kazuhide; Hashimoto, Toshiyuki; Oana, Takao; Fukuda, Masao; Takagi, Masamichi; Yano, Keiji; Oishi, Michio
- 573 (Item 139 from file: 399)
Microbial degradation of lactate under methanogenic conditions
AUTHOR(S): Soubes, Matilde; Muxi, Lucia; Zunino, Laura; Fernandez, Ana
JOURNAL: MIRCEN J. Appl. Microbiol. Biotechnol. DATE: 1989
- 574 (Item 140 from file: 399)
Microbiological degradation of quinoline by *Pseudomonas stutzeri*: the coumarin pathway of quinoline catabolism
AUTHOR(S): Shukla, O. P.
JOURNAL: Microbios DATE: 1989
- 575 (Item 141 from file: 399)
Microbial degradation of aromatic coal-tar compounds
AUTHOR(S): Beyer, Michael; Klein, Juergen
JOURNAL: Biotech-Forum DATE: 1989
- 576 (Item 142 from file: 399)
Microbial degradation of diazinon in submerged soil
AUTHOR(S): Kim, Joong Ho; Rhee, Young Ha; Choi, Jong Woo; Lee, Kyu Seung
JOURNAL: Misaengmul Hakhoechi DATE: 1989
- 577 (Item 143 from file: 399)
Microbial degradation of seven amides by suspended bacterial populations
AUTHOR(S): Steen, William C.; Collette, Timothy W.
JOURNAL: Appl. Environ. Microbiol. DATE: 1989
- 578 (Item 144 from file: 399)
Microbial degradation of PCB's
AUTHOR(S): Springael, D.; Kreps, S.; Mergeay, M.
JOURNAL: Meded. Fac. Landbouwwet., Rijksuniv. Gent DATE: 1988

- 579 (Item 145 from file: 399)
Microbial degradation of xenobiotic chemicals
AUTHOR(S): Colquhoun, Keith Osman
DATE: 1988 AVAIL: Univ. Microfilms Int., Order No. BRDX84649
- 580 (Item 146 from file: 399)
Night soil treatment by membrane high rate process. II. Biological treatment performance in membrane reactor
AUTHOR(S): Yasuda, Yuji
JOURNAL: Mizu Shori Gijutsu DATE: 1989
- 581 (Item 147 from file: 399)
Microbial degradation of azo dyes
AUTHOR(S): Liu, Zhipci; Yang, Huifang
JOURNAL: Huanjing Wuran Yu Fangzhi DATE: 1987
- 582 (Item 148 from file: 399)
Studies on water pollution by chemicals - Microbial degradation and acute himedaka killifish toxicity
AUTHOR(S): Niinomi, Junji; Nakagawa, Yoshiaki; Araki, Keiichi; Hayakawa, Shuji; Kanamaru, Takeshi
JOURNAL: Mie-ken Kankyo Kagaku Senta Kenkyu Hokoku DATE: 1989
- 583 (Item 149 from file: 399)
Creosote-contaminated sites. Their potential for bioremediation
AUTHOR(S): Mueller, James G.; Chapman, Peter J.; Pritchard, P. Hap
JOURNAL: Environ. Sci. Technol. DATE: 1989
- 584 (Item 150 from file: 399)
Microbial degradation of unnatural carbohydrates. II. Calorimetric studies on microbial degradation of unnatural carbohydrates in soil
AUTHOR(S): Izumori, Ken; Umemura, Akio
JOURNAL: Kagawa Daigaku Nogakubu Gakujutsu Hokoku DATE: 1987
- 585 (Item 151 from file: 399)
Analytical study of the biological degradation of saccharides. III. Gel-permeation chromatography study of the biological degradation of starch by activated sludge
AUTHOR(S): Stranel, Oldrich
JOURNAL: Kozarstvi DATE: 1988
- 586 (Item 152 from file: 399)
Microbial degradation of tannins and related compounds
AUTHOR(S): Deschamps, A. M.
JOURNAL: ACS Symp. Ser. DATE: 1989
- 587 (Item 153 from file: 399)
Biological degradation of chemicals bearing an oxydibenzene nucleus
INVENTOR(AUTHOR): Sawchuk, David L. M.; Olsen, Ronald H.

588 (Item 154 from file: 399)

Microbial degradation: a method for reducing the amount of oil in leachate from railway ballast

AUTHOR(S): Holcroft, John Derek

DATE: 1988 AVAIL: Univ. Microfilms Int., Order No. BRD-83593

589 (Item 155 from file: 399)

Bioremediation of polychlorinated biphenyls. Degradation capabilities in field lysimeters

AUTHOR(S): Hill, D. L.; Phelps, T. J.; Palumbo, A. V.; White, D. C.;

Strandberg, G. W.; Donaldson, T. L.

JOURNAL: Appl. Biochem. Biotechnol. DATE: 1989 MEETING DATE: 880000

590 (Item 156 from file: 399)

Microbial degradation of hemicellulosic materials

AUTHOR(S): Johnson, K. G.; Silva, M. C.; MacKenzie, C. R.; Schneider, H.; Fontana, J. D.

JOURNAL: Appl. Biochem. Biotechnol. DATE: 1989 MEETING DATE: 880000

591 (Item 157 from file: 399)

Microbial degradation of polycyclic aromatic hydrocarbons (PAH) in the aquatic environment

AUTHOR(S): Cerniglia, Carl E.; Heitkamp, Michael A.

JOURNAL: Metab. Polycyclic Aromat. Hydrocarbons Aquat. Environ. EDITOR: Varanasi, Usha (Ed), DATE: 1989 PUBLISHER: CRC, Boca Raton, Fla

592 (Item 158 from file: 399)

Microbial degradation of cyanide containing effluent from a dye industry

AUTHOR(S): Andhale, M. S.

JOURNAL: Biodeterior, (Sel. Pap. Int. Biodeterior. Symp.), 7th EDITOR: Houghton, D. R. (Ed), Smith, Robert Neil (Ed), Eggins, H. O. W (Ed), DATE: 1988 MEETING DATE: 870000 PUBLISHER: Elsevier, London, U. K

593 (Item 159 from file: 399)

Bioremediation of PCB-contaminated soil at the Y-12 plant

AUTHOR(S): Donaldson, T. L.; Strandberg, G. W.; McGinnis, G. P.; Palumbo, A. V.; White, D. C.; Hill, D. L.; Phelps, T. J.; Hadden, C. T.; Revis, N. W.; Holdsworth, G.

JOURNAL: Report DATE: 1988 AVAIL: NTIS

594 (Item 160 from file: 399)

Biodegradation of hydrocarbons in the environment

AUTHOR(S): Atlas, Ronald M.

JOURNAL: Basic Life Sci. DATE: 1988

595 (Item 161 from file: 399)

Changes in natural rubber vulcanizates due to microbial degradation

AUTHOR(S): Kwiatkowska, Danuta; Zyska, B. J.

JOURNAL: Biodeterior, (Sel. Pap. Int. Biodeterior. Symp.), 7th EDITOR: Houghton, D. R. (Ed), Smith, Robert Neil (Ed), Eggins, H. O. W (Ed), DATE: 1988 MEETING DATE: 870000 PUBLISHER: Elsevier, London, U. K

596 (Item 162 from file: 399)

Microbial degradation of oxalate in the gastrointestinal tracts of rodents and ruminants

AUTHOR(S): Daniel, Steven Lee

DATE: 1988 AVAIL: Univ. Microfilms Int., Order No. DA8825384

597 (Item 163 from file: 399)

Preventing microbiological degradation of a cutting emulsion for aluminum rolling

AUTHOR(S): Kaznowski, Adam; Wlodarczyk, Krystyna; Bis, Wieslaw; Kuzniewski, Piotr; Molska, Janina

JOURNAL: Trybologia DATE: 1988

598 (Item 164 from file: 399)

Gas feeding and distribution device for gas cleaning or biological degradation or preservation of organic material

INVENTOR(AUTHOR): Gethke, Hans Gerd; Eitner, Detlef; Engelhard, Friedel

599 (Item 165 from file: 399)

Bioremediation of chemical spills

AUTHOR(S): Brubaker, Gaylen R.; Exner, Jurgen H.

JOURNAL: Basic Life Sci. DATE: 1988

600 (Item 166 from file: 399)

Microbial degradation of synthetic polymers

AUTHOR(S): Cameron, J. A.; Bunch, C. L.; Huang, S. J.

JOURNAL: Biodeterior. (Sci. Pap. Int. Biodeterior. Symp.), 7th EDITOR: Houghton, D. R. (Ed), Smith, Robert Neil (Ed), Eggins, H. O. W (Ed),

DATE: 1988 MEETING DATE: 870000 PUBLISHER: Elsevier, London, U. K

601 (Item 167 from file: 399)

Influence of DDT, dieldrin, .alpha.- and .gamma.-HCH, and heptachlor on microbial degradation of the anionic surfactant sodium lauryl sulfate

AUTHOR(S): Tarazona, J. V.; Munoz, M. J.; Ortiz, J. A.

JOURNAL: Invest. Agrar.: Prod. Prot. Veg. DATE: 1987

602 (Item 168 from file: 399)

Rumen microbial degradation of beet root pulps. Application of infrared spectroscopy to the study of protein and pectin

AUTHOR(S): Robert, Paul; Bertin, Chantal; Bertrand, Dominique

JOURNAL: J. Agric. Food Chem. DATE: 1989

603 (Item 169 from file: 399)

Microbial degradation of .beta.-chlorinated four-carbon aliphatic acids

AUTHOR(S): Kohler-Staub, Doris; Kohler, H. P. E.

JOURNAL: J. Bacteriol. DATE: 1989

604 (Item 170 from file: 399)

Microbial degradation of some soil-applied insecticides, herbicides, and insecticide-herbicide combinations

AUTHOR(S): Reed, J. P.; Keaster, A. J.; Kremer, R. J.; Kerr, H. D.

JOURNAL: Bull. Environ. Contam. Toxicol. **DATE:** 1989

605 (Item 171 from file: 399)

Microbial degradation of nitroaromatic compounds from a former munition plant. Part 1: Degradation of 2,4,6-trinitrotoluene (TNT)

AUTHOR(S): Neumeier, Wolfgang; Haas, Rainer; Von Loew, Eberhard

JOURNAL: Forum Staedte-Hyg. **DATE:** 1989

606 (Item 172 from file: 399)

Air toxics monitoring program during bioremediation of a superfund site

AUTHOR(S): Dumdei, Bruce E.; Henderson, Robert

JOURNAL: Proc. - APCA Annu. Meet. **DATE:** 1988

607 (Item 173 from file: 399)

Microbial degradation of sterol side-chains

AUTHOR(S): Wang, Kuang Chao

JOURNAL: Chung-hua Yao Hsueh Tsa Chih **DATE:** 1988

608 (Item 174 from file: 399)

Biological degradation of highly volatile chlorinated hydrocarbons in an open system, exemplified by dichloromethane in a rotating biol. contactor.

AUTHOR(S): Winkelbauer, Wolfgang; Kohler, Herbert

JOURNAL: GWF, Gas- Wasserfach: Wasser/Abwasser **DATE:** 1989

609 (Item 175 from file: 399)

Physical, chemical, and biochemical considerations in the biological degradation of wood

AUTHOR(S): Jeffries, T. W.

JOURNAL: Wood Cellul. **EDITOR:** Kennedy, John Frederick (Ed), Phillips, Glyn Owain (Ed), Williams, Peter Anthony (Ed), **DATE:** 1987 **PUBLISHER:** Horwood, Chichester, UK

610 (Item 176 from file: 399)

Disposal of concentrated solutions of diazinon using organic absorption and chemical and microbial degradation

AUTHOR(S): Mullins, Donald E.; Young, Roderick W.; Palmer, Christopher P.; Hamilton, Robert L.; Sherertz, Peter C.

JOURNAL: Pestic. Sci. **DATE:** 1989

611 (Item 177 from file: 399)

Effect of bacteria addition on biodegradation of toluene in subsurface soils

AUTHOR(S): Farmer, William S.; Robinson, Kevin G.; Novak, John T.

JOURNAL: Proc. Ind. Waste Conf. **DATE:** 1989 **MEETING DATE:** 880000

612 (Item 178 from file: 399)

The microbial degradation of lignin and its role in the carbon cycle

AUTHOR(S): Haider, Konrad
JOURNAL: Forum Mikrobiol. DATE: 1988

613 (Item 179 from file: 399)

Microbial degradation of hydrolyzed lignin

AUTHOR(S): Kolomiets, E. I.; Romanovskaya, T. V.; Stakheev, I. V.; Giris, D. A.

JOURNAL: Mikrobiol. Zh. (Kiev) DATE: 1989

614 (Item 180 from file: 399)

Microbial degradation of synthetic polymers

AUTHOR(S): Li, Fengzhen

JOURNAL: Weishengwuxue Zazhi DATE: 1988

615 (Item 181 from file: 399)

Microbial degradation of phthalic acid ester

AUTHOR(S): Kurane, Ryuichiro

JOURNAL: Baioisaiensu to Indasutori DATE: 1988

616 (Item 182 from file: 399)

Comparison of methods to determine oxygen demand for bioremediation of a fuel contaminated aquifer

AUTHOR(S): Powell, R. M.; Callaway, R. W.; Michalowski, J. T.; Vandegrift, S. A.; White, M. V.; Kampbell, D. H.; Bledsoe, B. E.; Wilson, J. T.

JOURNAL: Int. J. Environ. Anal. Chem. DATE: 1988

617 (Item 183 from file: 399)

In situ bioreclamation: a cost-effective technology to remediate subsurface organic contamination

AUTHOR(S): Wilson, Scott B.; Brown, Richard A.

JOURNAL: Ground Water Monit. Rev. DATE: 1989

618 (Item 184 from file: 399)

Microbial degradation of anionic detergent in natural water

AUTHOR(S): Visoottiviseth, Pornsawan; Ekachote, Siwilai; Upatham, E. Suchart

JOURNAL: J. Sci. Soc. Thailand DATE: 1988

619 (Item 185 from file: 399)

Inhibition of the biological degradation of dichloromethane by contaminated groundwater

AUTHOR(S): Schneider, Verena; Scholz-Muramatsu, Heidrun; Gaiser, Suse

JOURNAL: GWF, Gas- Wasserfach: Wasser/Abwasser DATE: 1988

620 (Item 186 from file: 399)

Synthesis of herbicides, labeled in the aromatic ring, and their application in biological degradation studies

AUTHOR(S): Bubner, M.; Klemm, W.

JOURNAL: Radioisotopy DATE: 1988

- 621 (Item 187 from file: 399)
 Biological degradation of musty odor compounds, 2-methylisoborneol and geosmin, in a bio-activated carbon filter
 AUTHOR(S): Yagi, Masakazu; Nakashima, Susumu; Muramoto, Shigeki
 JOURNAL: Water Sci. Technol. DATE: 1988
- 622 (Item 188 from file: 399)
 Biological degradation of alkylnaphthalenesulfonates
 AUTHOR(S): Kerimov, T. M.; Ismailov, N. M.
 JOURNAL: Izv. Akad. Nauk Az. SSR, Ser. Biol. Nauk DATE: 1988
- 623 (Item 189 from file: 399)
 Microbial degradation of hydrocarbons in subsoil - possibilities and limits
 AUTHOR(S): Schweisfurth, Reinhart
 JOURNAL: DVGW-Schriftenr., Wasser DATE: 1988
- 624 (Item 190 from file: 399)
 Microbial degradation of xenobiotics
 AUTHOR(S): Tonomura, Kenzo; Kawasaki, Haruhiko
 JOURNAL: Biseibutsu (Tokyo) DATE: 1988
- 625 (Item 191 from file: 399)
 Performance evaluation and steady-state kinetics of the microbial degradation of phenolic, cyanic, ammoniacal wastewater in activated sludge systems
 AUTHOR(S): Richards, Deanna Jebamani
 DATE: 1987 AVAIL: Univ. Microfilms Int., Order No. DA8804956
- 626 (Item 192 from file: 399)
 Microbial degradation of important components of aqueous cutting fluids
 AUTHOR(S): Studt, P.; Kerner, W.; Win, T.
 JOURNAL: Tribol. Schmierungstech. DATE: 1988
- 627 (Item 193 from file: 399)
 Microbial degradation of disinfectants. III. Determination of chlorhexidine in wastewaters by high-performance liquid chromatography after pretreatment
 AUTHOR(S): Kido, Yutaka; Kodama, Hirofumi; Uraki, Fuminori; Uyeda, Masaru; Tsuruoka, Michio; Shibata, Motoo
 JOURNAL: Eisei Kagaku DATE: 1988
- 628 (Item 194 from file: 399)
 Microbiological degradation of sterols. II. Isolation of *Rhodococcus* sp. IM 58 mutants with a block of the cholesterol degradation pathway
 AUTHOR(S): Zajackowska, Ewa; Bartoszko-Tyczkowska, Anna; Sedlaczek, Leon
 JOURNAL: Acta Microbiol. Pol. DATE: 1988
- 629 (Item 195 from file: 399)
 Microbiological degradation of sterols. I. Selective induction of enzymes of the cholesterol side-chain cleavage in *Rhodococcus* sp. IM 58

AUTHOR(S): Zajackowska, Ewa; Sedlaczek, Leon
JOURNAL: Acta Microbiol. Pol. **DATE:** 1988

630 (Item 196 from file: 399)

Microbial degradation of chloroaromatic compounds

AUTHOR(S): Baggi, G.

JOURNAL: Ann. Microbiol. Enzimol. **DATE:** 1987

631 (Item 197 from file: 399)

Biodeterioration of aflatoxin B1 in various soils

AUTHOR(S): Angle, J. Scott

JOURNAL: Biodeterior. Res. 1, (Proc. Annu. Meet. Pan Am. Biodeterior. Soc.), 1st **EDITOR:** Llewellyn, Gerald C. (Ed), O'Rear, Charles E (Ed),
DATE: 1987 **MEETING DATE:** 860000 **PUBLISHER:** Plenum, New York, N. Y

632 (Item 198 from file: 399)

Lignin-polysaccharide complexes of the plant cell wall and their effect on microbial degradation in the rumen

AUTHOR(S): Chesson, A.

JOURNAL: Anim. Feed Sci. Technol. **DATE:** 1988

633 (Item 199 from file: 399)

Microbial degradation of 1,6- and 2,6-naphthalenedisulfonic acid by Pseudomonas sp. DS-1

AUTHOR(S): Ohe, Tatsuhiko; Watanabe, Yasuto

JOURNAL: Agric. Biol. Chem. **DATE:** 1988

634 (Item 200 from file: 399)

Microbial degradation of hydrocarbon mixtures in a marine sediment under different temperature regimes. Environmental studies research funds, No. 083

AUTHOR(S): Thorpe, J. W.; Hellenbrand, K. E.

JOURNAL: Report **DATE:** 1987 **AVAIL:** Infopall, Bay 105, 4116 64th Ave., S.E., Calgary, Alberta, Can., T2C 2B3

635 (Item 201 from file: 399)

Growth inhibition of activated sludge microorganisms by chlorophenols and structure-activity relation and its relation to microbial degradation

AUTHOR(S): Shigeoka, Tadayoshi; Yoshida, Kikuo; Hosaka, Chitose; Hayatsuki, Yoko; Yamauchi, Fumio

JOURNAL: Eisei Kagaku **DATE:** 1988

636 (Item 202 from file: 399)

Enhanced microbial degradation of insecticides in soil

AUTHOR(S): Racke, Kenneth David

DATE: 1987 **AVAIL:** Univ. Microfilms Int., Order No. DA8805128

637 (Item 203 from file: 399)

Effect of the soil environment on the biodeterioration of man-made textiles

AUTHOR(S): Northrop, David M.; Rowe, Walter F.

JOURNAL: Biodeterior. Res. 1, (Proc. Annu. Meet. Pan Am. Biodeterior. Soc.), 1st
EDITOR: Llewellyn, Gerald C. (Ed), O'Rear, Charles E (Ed),
DATE: 1987 MEETING DATE: 860000 PUBLISHER: Plenum, New York, N. Y

638 (Item 204 from file: 399)

Rates of carbon dioxide production from the microbial degradation of
transuranic wastes under simulated geologic isolation conditions

AUTHOR(S): Caldwell, D. E.; Hallet, R. C.; Molecke, M. A.; Martinez, E.;
Barnhart, B. J.

JOURNAL: Report DATE: 1988 AVAIL: NTIS

639 (Item 205 from file: 399)

Microbial degradation of oily pollutants in seawater. IV. Microbial
degradation of crude oil and diesel oil

AUTHOR(S): Ni, Chunzhi; Zhou, Zongcheng; Cai, Ziping; Zeng, Huoshui; Li,
Zhitang; Xie, Jinxiang

JOURNAL: Haiyang Xuebao (Zhongwenban) DATE: 1986

640 (Item 206 from file: 399)

Microbial degradation of petrochemicals in the downstream and the estuary
of the Tamagawa river

AUTHOR(S): Yamane, Akiko; Okada, Mitsumasa; Murakami, Akihiko

JOURNAL: Suishitsu Odaku Kenkyu DATE: 1988

641 (Item 207 from file: 399)

Biological degradation of nitrogenous compounds in effluent

AUTHOR(S): Sainani, N. B.

JOURNAL: Fert. News DATE: 1988

642 (Item 208 from file: 399)

Highly stretchable spandex fibers with improved stability to
microbiological degradation

INVENTOR(AUTHOR): Kausch, Michael; Sueling, Carlhans; Schroeder, Hans;
Wolf, Karl Heinz; Dauscher, Rudi

643 (Item 209 from file: 399)

Microbial degradation of synthetic polymers

AUTHOR(S): Sakai, Kiyofumi

JOURNAL: Sen'i Gakkaishi DATE: 1988

644 (Item 210 from file: 399)

Microbial degradation of problematic waste air components

AUTHOR(S): Leisinger, Thomas

JOURNAL: Biotec DATE: 1988

645 (Item 211 from file: 399)

Biological degradation of xenobiotic compounds at low concentrations and
the problem of remaining concentrations

AUTHOR(S): Zehnder, Alexander J. B.; Schraa, Gosse

JOURNAL: GWF, Gas- Wasserfach: Wasser/Abwasser DATE: 1988

646 (Item 212 from file: 399)

Hazardous waste management: biological treatment

AUTHOR(S): Pirages, Suellen W.

JOURNAL: Int. Conf. Innovative Biol. Treat. Toxic Wastewaters EDITOR:
Scholze, Richard J., Jr. (Ed), DATE: 1987 MEETING DATE: 860000

PUBLISHER: NTIS, Springfield, Va

647 (Item 213 from file: 399)

Spills of petroleum-based substances and their biological degradation

AUTHOR(S): Vurm, Karel

JOURNAL: Ropa Uhlie DATE: 1988

648 (Item 214 from file: 399)

Microbiological degradation of disinfectants. II. Complete degradation
of chlorhexidine

AUTHOR(S): Kido, Yutaka; Kodama, Hirofumi; Uraki, Fuminori; Uyeda, Masaru;
Tsuruoka, Michio; Shibata, Motoo

JOURNAL: Eisei Kagaku DATE: 1988

649 (Item 215 from file: 399)

The relationship of establishing baseline pH and nitrate parameters in
southwestern Ohio to control strategies of biological degradation in the
United States

AUTHOR(S): Schultz, J. A. Meyer

JOURNAL: Acid Rain EDITOR: Perry, R (Ed), DATE: 1987 PUBLISHER: Selper,
London, UK

650 (Item 216 from file: 399)

Biological degradation of polychlorinated biphenyls

AUTHOR(S): Unterman, Ronald; Brennan, Michael J.; Brooks, Ronald E.;
Johnson, Carl

JOURNAL: Int. Conf. Innovative Biol. Treat. Toxic Wastewaters EDITOR:
Scholze, Richard J., Jr. (Ed), DATE: 1987 MEETING DATE: 860000

PUBLISHER: NTIS, Springfield, Va

651 (Item 217 from file: 399)

Microbial degradation of effluents, especially from acrylonitrile
manufacture

INVENTOR(AUTHOR): Knowles, Christopher John; Wyatt, Jeremy Michael

652 (Item 218 from file: 399)

Screening study for on-site biological remediation of soils contaminated
by coal conversion residuals and by-products

AUTHOR(S): Brenner, A.; Irvine, R. L.; Ketchum, L. H., Jr.; Kulpa, C. F.;
Moreau, J. P.

JOURNAL: U. S. Environ. Prot. Agency, Res. Dev., (Rep.) EPA DATE: 1987

- 653 (Item 219 from file: 399)
Microbial degradation of n-alkyl tetrahydrothiophenes found in petroleum
 AUTHOR(S): Fedorak, Phillip M.; Payzant, John D.; Montgomery, Douglas S.;
 Westlake, Donald W. S.
 JOURNAL: Appl. Environ. Microbiol. DATE: 1988
- 654 (Item 220 from file: 399)
**Lake soil as carrier for anaerobes for biological treatment of wastewater
 from acrylic fibres dyeing**
 INVENTOR(AUTHOR): Deng, Xingming; Feng, Fusong; Zhang, Facui; Wu,
 Liongluo; Jian, Dong
- 655 (Item 221 from file: 399)
**Environmental bioremediation for organometallic compounds: Microbial
 growth and arsenic volatilization from soil and retorted shale**
 AUTHOR(S): Sanford, R. A.; Klein, D. A.
 JOURNAL: Appl. Organomet. Chem. DATE: 1988
- 656 (Item 222 from file: 399)
Microbial degradation of TCE (trichloroethylene)
 AUTHOR(S): Wolfram, J. H.; Case, J. T.; Rogers, R. D.
 JOURNAL: Report DATE: 1987 AVAIL: NTIS
- 657 (Item 223 from file: 399)
Microbial degradation of azo dyes and their reduction products
 AUTHOR(S): Chi, Zhengmin; Bai, Yuqian
 JOURNAL: Shandong Daxue Xuebao, Ziran Kexueban DATE: 1988
- 658 (Item 224 from file: 399)
**Lignin Enzymic and Microbial Degradation. (1987; Paris, Fr. In: Colloq.
 Inra, 1987; 40)**
 AUTHOR(S): Odier, Etienne; Editor
 DATE: 1987 PUBLISHER: (INRA, Paris, Fr.)
- 659 (Item 225 from file: 399)
**Microbial degradation of disinfectants. I. Chlorhexidine-degrading
 bacteria isolated from activated sludge**
 AUTHOR(S): Kido, Yutaka; Kodama, Hirofumi; Uraki, Fuminori; Uyeda, Masaru;
 Tsuruoka, Michio; Shibata, Motoo
 JOURNAL: Eisei Kagaku DATE: 1988
- 660 (Item 226 from file: 399)
**Microbial degradation of coal by Polyporus versicolor: metabolism and
 product characterization**
 AUTHOR(S): Cohen, Martin S.; Aronson, H.
 JOURNAL: Electr. Power Res. Inst., (Rep.) EPRI AP (Palo Alto, Calif.)
 DATE: 1987
- 661 (Item 227 from file: 399)
**Experiences with the biological treatment of soil and groundwater
 polluted by mineral oils**

AUTHOR(S): Schuessler, Horst; Webb, Leslie E.
JOURNAL: Korresp. Abwasser DATE: 1988

662 (Item 228 from file: 399)

Investigations of the biological degradation of various .alpha.-hydroxy
acid polymers

AUTHOR(S): Gerlach, K. L.; Eitenmueller, J.
JOURNAL: Dtsch. Zahnärztl. Z. DATE: 1988

663 (Item 229 from file: 399)

Biological degradation of volatile chlorinated hydrocarbons in
groundwater and sewage

AUTHOR(S): Nerger, Manfred; Mergler-Voelkl, Rolf
JOURNAL: Z. Wasser Abwasser Forsch. DATE: 1988

664 (Item 230 from file: 399)

Biological degradation of polyhalogenated mono- and polycyclic aromatics

AUTHOR(S): Springer, W.; Rast, H. G.
JOURNAL: GWF, Gas- Wasserfach: Wasser/Abwasser DATE: 1988

665 (Item 231 from file: 399)

Biological degradation of cellulose in reservoirs

AUTHOR(S): Aunins, E.
JOURNAL: Latv. PSR Zinat. Akad. Vestis DATE: 1987

666 (Item 232 from file: 399)

Microbial degradation of halogenated aliphatic compounds

AUTHOR(S): Cook, Alasdair M.; Scholtz, Rudolf; Leisinger, Thomas
JOURNAL: GWF, Gas- Wasserfach: Wasser/Abwasser DATE: 1988

667 (Item 233 from file: 399)

Microbial degradation of chlorinated hydrocarbons

AUTHOR(S): Mueller, Rudolf; Lingens, Franz
JOURNAL: GWF, Gas- Wasserfach: Wasser/Abwasser DATE: 1988

668 (Item 234 from file: 399)

Microbial degradation of some pollutants in natural waters

AUTHOR(S): Abadzhiev, V.
JOURNAL: Priroda (Sofia) DATE: 1986

669 (Item 235 from file: 399)

The nutritive study on the amino acid mixture solution from bean and
maize embryo dregs by microbial degradation

AUTHOR(S): Wang, Shuzhen
JOURNAL: Yingyang Xuebao DATE: 1987

670 (Item 236 from file: 399)

Microbiological degradation of fuel oil by denitrifying bacteria

AUTHOR(S): Riss, Andreas; Gerber, Ingrid; Kessler Schmitt, Monika;
Meisch, Hans Ulrich; Schweisfurth, Reinhart
JOURNAL: GWF, Gas- Wasserfach: Wasser/Abwasser DATE: 1988

- 671 (Item 237 from file: 399)
Microbial degradation of hydrocarbons
INVENTOR(AUTHOR): Horowitz, Amikam
- 672 (Item 238 from file: 399)
Microbial degradation of phenoplastic molding materials
AUTHOR(S): Reinprecht, Ladislav; Broulikova, Jirina
JOURNAL: Plasty Kauc. DATE: 1987
- 673 (Item 239 from file: 399)
The microbial degradation of 2,4-dichlorophenoxyacetic acid in soil
AUTHOR(S): Sandmann, E. R. I. C.; Loos, M. A.; Van Dyk, L. P.
JOURNAL: Rev. Environ. Contam. Toxicol. DATE: 1988
- 674 (Item 240 from file: 399)
Analytical study of biological degradation of saccharides. II.
Analytical study of the simultaneous degradation of saccharides
AUTHOR(S): Stranel, Oldrich; Simova, Helena; Mladek, Milan
JOURNAL: Kozarstvi DATE: 1987
- 675 (Item 241 from file: 399)
Kinetic properties on microbial degradation of catechol
AUTHOR(S): Li, Qin; Wang, Ningmei
JOURNAL: Shengwu Huaxue Yu Shengwu Wuli Jinzhan DATE: 1987
- 676 (Item 242 from file: 399)
Application of a Doehlert experimental design to the optimization of
microbial degradation of crude oil in sea water by continuous culture
AUTHOR(S): Dumenil, G.; Mattei, G.; Sergent, M.; Bertrand, J. C.; Laget,
M.; Phan Tan Luu, Roger
JOURNAL: Appl. Microbiol. Biotechnol. DATE: 1988
- 677 (Item 243 from file: 399)
Microbial degradation of carbonaceous material in a copper molybdenum
concentrate
AUTHOR(S): Hoppe, D. G.; Witte, M. K.; McCready, R. G. L.
JOURNAL: CANMET Spec. Publ. DATE: 1987
- 678 (Item 244 from file: 399)
Kinetic studies on microbiological degradation of o-phthalic acid (O-PA)
AUTHOR(S): Wan, Dengbang
JOURNAL: Huanjing Kexue DATE: 1987
- 679 (Item 245 from file: 399)
Biological degradation of morpholine
AUTHOR(S): Ceh, S. J.; Chudoba, Jan
JOURNAL: Khim. Tekhnol. Vody DATE: 1987
- 680 (Item 246 from file: 399)
Accelerated microbial degradation of methyl benzimidazol-2-ylcarbamate in
soil and its control

AUTHOR(S): Yarden, O.; Aharonson, N.; Katan, J.
JOURNAL: Soil Biol. Biochem. **DATE:** 1987

681 (Item 247 from file: 399)
Microbial degradation of chlorinated aromatic compounds
AUTHOR(S): Sahasrabudhe, S. R.; Modi, V. V.
JOURNAL: Microbiol. Sci. **DATE:** 1987

682 (Item 248 from file: 399)
Enzymic "combustion": the microbial degradation of lignin
AUTHOR(S): Kirk, T. Kent; Farrell, Roberta L.
JOURNAL: Annu. Rev. Microbiol. **DATE:** 1987

683 (Item 249 from file: 399)
Microbial degradation of synthetic recalcitrant compounds
AUTHOR(S): Frantz, Betsy; Aldrich, Teri; Chakrabarty, A. M.
JOURNAL: Biotechnol. Adv. **DATE:** 1987

684 (Item 250 from file: 399)
Chitin/toxicant interactions and microbial degradation within estuarine ecosystems
AUTHOR(S): Portier, R. J.; Meyers, S. P.
JOURNAL: Actes Colloq. - IFREMER **DATE:** 1986

685 (Item 251 from file: 399)
Early diagenesis of organic matter in the water column and sediments: Microbial degradation and resynthesis of lipids in Lake Haruna
AUTHOR(S): Kawamura, Kimitaka; Ishiwatari, Ryoshi; Ogura, Kazuko
JOURNAL: Org. Geochem. **DATE:** 1987

686 (Item 252 from file: 399)
Biological treatment of organic wastes
INVENTOR(AUTHOR): Kanayama, Hikoyoshi; Kumagai, Yuzaburo; Ishii, Noriyuki; Yano, Hitoshi

687 (Item 253 from file: 399)
Microbial degradation of cellulose polymers used in cosmetics and toiletries
AUTHOR(S): Harrison, L. A.
JOURNAL: Int. J. Cosmet. Sci. **DATE:** 1987

688 (Item 254 from file: 399)
Characterization of the microbial degradation products of a submerged plant with particular reference to the production of the kerogen-like material
AUTHOR(S): Fukushima, Kazuo; Yamamoto, Shuichi; Uzaki, Minoru; Morinaga, Shigeo; Ishiwatari, Ryoshi
JOURNAL: Chem. Geol. **DATE:** 1987

- 689 (Item 255 from file: 399)
 Microbial degradation of 2,4,5-T and chlorinated dioxins
 AUTHOR(S): Chakrabarty, A. M.
 JOURNAL: Report DATE: 1987 AVAIL: NTIS
- 690 (Item 256 from file: 399)
 Microbial degradation of steroid side chains
 AUTHOR(S): Zajackowska, Ewa
 JOURNAL: Postepy Mikrobiol. DATE: 1986
- 691 (Item 257 from file: 399)
 Biological degradation of cationic surfactants
 AUTHOR(S): Taranova, L. A.
 JOURNAL: Visn. Akad. Nauk Ukr. RSR DATE: 1987
- 692 (Item 258 from file: 399)
 Microbial degradation of xenobiotics
 AUTHOR(S): Straube, Gunhild
 JOURNAL: Wiss. Z. Tech. Hochsch. "Carl Schorlemmer" Leuna-Merseburg
 DATE: 1987
- 693 (Item 259 from file: 399)
 A model of some aspects of microbial degradation of particulate
 substrates
 AUTHOR(S): Hobson, Peter N.
 JOURNAL: J. Ferment. Technol. DATE: 1987
- 694 (Item 260 from file: 399)
 Biological treatment of surface and groundwater
 AUTHOR(S): Sutton, Paul M.
 JOURNAL: Pollut. Eng. DATE: 1987
- 695 (Item 261 from file: 399)
 Biological degradation of phosphorus in wastewater
 INVENTOR(AUTHOR): Stoltenborg, Gerrit Johannes Martinus
- 696 (Item 262 from file: 399)
 Steroidal inhibitors of microbial degradation of sterol side chains
 AUTHOR(S): Ohtsuka, Mikio; Fujimoto, Yoshinori; Ikekawa, Nobuo
 JOURNAL: Chem. Pharm. Bull. DATE: 1986
- 697 (Item 263 from file: 399)
 Microbial degradation and utilization of selected organophosphorus
 compounds. Strategies and applications
 AUTHOR(S): Ghisalpa, Oreste; Kueenzi, Martin; Ramos Tombo, Gerardo M.;
 Schaer, Hans Peter
 JOURNAL: Chimia DATE: 1987

698 (Item 264 from file: 399)

Microbial degradation of oxalate in the gastrointestinal tracts of rats

AUTHOR(S): Daniel, Steven L.; Hartman, Paul A.; Allison, Milton J.

JOURNAL: Appl. Environ. Microbiol. DATE: 1987

699 (Item 265 from file: 399)

Biological treatment of night soil

INVENTOR(AUTHOR): Kataoka, Katsuyuki

700 (Item 266 from file: 399)

Opportunities for bioreclamation of aquifers contaminated with petroleum hydrocarbons

AUTHOR(S): Wilson, John T.; Ward, Calvin H.

JOURNAL: Dev. Ind. Microbiol. DATE: 1987

701 (Item 267 from file: 399)

Analytical study of the biological degradation of saccharides. I.

Analytical study of the isolated degradation of saccharides

AUTHOR(S): Stranel, Oldrich; Simova, Helena; Mladek, Milan

JOURNAL: Kozarstvi DATE: 1987

702 (Item 268 from file: 399)

Municipal refuse: biological treatment

AUTHOR(S): Zilli, Mario; Converti, Attilio

JOURNAL: AES DATE: 1987

703 (Item 269 from file: 399)

Calcium retards physiological collapse and subsequent microbial degradation of mung bean (*Vigna radiata* L. Wilczek) sprouts

AUTHOR(S): Liptay, A.; Vandierendonck, P.

JOURNAL: Can. J. Plant Sci. DATE: 1987

704 (Item 270 from file: 399)

Anaerobic microbial degradation of halogenated aromatics to form biogas

AUTHOR(S): Brunner, Matthias; Schoberth, Siegfried Michael; Sahm, Hermann

JOURNAL: Chem.-Ing.-Tech. DATE: 1987

705 (Item 271 from file: 399)

Biocidal prevention of microbial degradation of materials in coatings systems

AUTHOR(S): Diehl, Karl Heinz

JOURNAL: Farbe Lack DATE: 1987

706 (Item 272 from file: 399)

Greatly accelerated microbial degradation of aldicarb in re-treated field soil, in flooded soil, and in water

AUTHOR(S): Read, D. C.

JOURNAL: J. Econ. Entomol. DATE: 1987

707 (Item 273 from file: 399)

Special methods in microbial degradation

AUTHOR(S): Robra, Karl Heinz
JOURNAL: Biotechnology **EDITOR:** Schoenborn, Wolfgang (Ed), **DATE:** 1986
PUBLISHER: VCH, Weinheim, Fed. Rep. Ger

708 (Item 274 from file: 399)

The effect of high yielding perennial herbage crops on biological degradation and nitrate accumulation in peat soil

AUTHOR(S): Levanon, D.; Levin, I.; Kipnis, T.; Cohen, U.
JOURNAL: Exp. Agric. **DATE:** 1987

709 (Item 275 from file: 399)

Microbial degradation of PCBs

AUTHOR(S): Liu, Hongguo; Zhang, Xiuwen; Wang, Kongxing; Lai, Linhan; Jian, Haoran
JOURNAL: Huanjing Kexue Xuebao **DATE:** 1986

710 (Item 276 from file: 399)

Model experiments on the microbial degradation of the herbicide nitrofen

AUTHOR(S): Schmidt, Wolfgang; Braune, Wolfram
JOURNAL: Wiss. Z. - Friedrich-Schiller-Univ. Jena: Naturwiss. Reihe
DATE: 1986

711 (Item 277 from file: 399)

Bioreclamation of chlorophenol-contaminated soil by composting

AUTHOR(S): Valo, R.; Salkinoja-Salonen, M.
JOURNAL: Appl. Microbiol. Biotechnol. **DATE:** 1986

712 (Item 278 from file: 399)

Biological treatment of organic waste

INVENTOR(AUTHOR): Endo, Taisuke; Matsuo, Yoshitaka; Suzuki, Takayuki; Tanaka, Toshihiro

713 (Item 279 from file: 399)

Microbial degradation of polyethylene glycol

AUTHOR(S): Lee, J. K.; Lee, S. J.; Lee, J. D.; Park, S. H.; Bahk, J. R.
JOURNAL: Misaengmul Hakhoechi **DATE:** 1986

714 (Item 280 from file: 399)

Microbial degradation of unnatural carbohydrates. I. Degradation of eight pentoses by soil microorganisms

AUTHOR(S): Izumori, Ken; Hatabe, Juhji
JOURNAL: Kagawa Daigaku Nogakubu Gakujutsu Hokoku **DATE:** 1986

715 (Item 281 from file: 399)

Microbiological degradation of dibutyl phthalate, a plasticizer

AUTHOR(S): Cheng, Guisun; Liu, Xiaoyang
JOURNAL: Huanjing Kexue **DATE:** 1986

716 (Item 282 from file: 399)

Microbial degradation of the herbicide molinate. IV. Substrate specificity and induction of degrading activity for the herbicide molinate

in three microbes isolated from soil

AUTHOR(S): Imai, Yasufumi; Kuwatsuka, Shozo

JOURNAL: Nippon Noyaku Gakkaishi DATE: 1986

717 (Item 283 from file: 399)

Observation of the biological degradation of surfactants by
field-desorption mass spectrometry

AUTHOR(S): Schneider, E.; Levsen, K.

JOURNAL: Fresenius' Z. Anal. Chem. DATE: 1987

718 (Item 284 from file: 399)

The biodeterioration of vulcanized rubbers

AUTHOR(S): Williams, G. R.

JOURNAL: Int. Biodeterior. DATE: 1986

719 (Item 285 from file: 399)

Biological treatment of organic waste

INVENTOR(AUTHOR): Kurosaki, Bunji; Kumazawa, Keisuke

720 (Item 286 from file: 399)

Apparatus for biological treatment of nitrogen-containing wastes

INVENTOR(AUTHOR): Kagi, Shigeki; Murakami, Yasunobu; Ishii, Yasuhiko;
Furuichi, Mitsuharu; Ichanagi, Naoto

721 (Item 287 from file: 399)

Biological treatment of wastewater containing highly concentrated
organics

INVENTOR(AUTHOR): Kobayashi, Hiroshi; Ariga, Mitsunori; Kihara, Hitoshi

722 (Item 288 from file: 399)

Biological treatment of wastes

INVENTOR(AUTHOR): Kitagawa, Mikio; Murakami, Yasunobu; Ishii, Yasuhiko;
Kagi, Shigeki

723 (Item 289 from file: 399)

Effect of microbial degradation of pinewood on byproduct yield in
kraft-pulping mills

AUTHOR(S): Mroz, Wladyslaw; Surewicz, Wlodzimierz

JOURNAL: Przegl. Papier. DATE: 1986

724 (Item 290 from file: 399)

Application of microbial degradation in the treatment of petrochemical
wastewater

AUTHOR(S): Ling, Zhilan; Xiong, Xiaoyan; Qian, Cunrou

JOURNAL: Huanjing Huaxue DATE: 1986

725 (Item 291 from file: 399)

Microbial degradation of nitrilotriacetate (NTA) in groundwater:
laboratory studies under aerobic and anaerobic conditions

AUTHOR(S): Kuhn, E.; Van Loosdrecht, M.; Schwarzenbach, R. P.; Giger, W.

JOURNAL: Comm. Eur. Communities, (Rep.) EUR DATE: 1986

726 (Item 292 from file: 399)

Microbial degradation of phthalate esters

AUTHOR(S): Kurane, R.

JOURNAL: Microbiol. Sci. DATE: 1986

727 (Item 293 from file: 399)

Fermenter for continuous anaerobic biological degradation of wastewater

INVENTOR(AUTHOR): Good, Peter; Moudry, Radomir; Fluri, Peter; Voser, Richard

728 (Item 294 from file: 399)

Biological degradation of oxytetracycline by means of activated sludge as a mixed culture

AUTHOR(S): Glanser, Margareta; Dvoracek, Lujo; Ban, Sinisa

JOURNAL: Hem. Ind. DATE: 1986

729 (Item 295 from file: 399)

Genetic and molecular basis of the microbial degradation of herbicides and pesticides

AUTHOR(S): Tomasek, Paul H.; Frantz, Betsy; Chatterjee, D. K.; Chakrabarty, A. M.

JOURNAL: Beltsville Symp. Agric. Res. DATE: 1986

730 (Item 296 from file: 399)

Microbial degradation of halogenated hydrocarbons: a solution of a serious environmental problem?

AUTHOR(S): Mueller, Rudolf; Lingens, Franz

JOURNAL: Angew. Chem. DATE: 1986

731 (Item 297 from file: 399)

Biological treatment of wastewater

INVENTOR(AUTHOR): Matsuoka, Keiichiro

732 (Item 298 from file: 399)

Microbial degradation of the herbicide molinate. III. Metabolic pathways of the herbicide molinate in four strains of isolated soil microorganisms

AUTHOR(S): Imai, Yasufumi; Kuwatsuka, Shozo

JOURNAL: Nippon Noyaku Gakkaishi DATE: 1986

733 (Item 299 from file: 399)

Biological treatment of waste

INVENTOR(AUTHOR): Asada, Hideo; Yamashita, Kosaku; Shimomoto, Tsunemitsu

734 (Item 300 from file: 399)

Isoprene oligomers by microbial degradation of rubber

INVENTOR(AUTHOR): Doi, Akio; Suzuki, Tomoo; Takeda, Kiyoshi; Dazai, Michio

735 (Item 301 from file: 399)

Microbial degradation of t-butylphenyl diphenyl phosphate: a comparative

microcosm study among five diverse ecosystems

AUTHOR(S): Heitkamp, Michael A.; Cerniglia, Carl E.

JOURNAL: Toxic. Assess. DATE: 1986

736 (Item 302 from file: 399)

Chemical and microbial degradation of 1,2-dibromoethane (EDB) in Florida ground water, soil, and sludge

AUTHOR(S): Weintraub, R. A.; Jex, G. W.; Moye, H. A.

JOURNAL: ACS Symp. Ser. DATE: 1986

737 (Item 303 from file: 399)

Temporal relationship between the deposition and microbial degradation of lignocellulosic detritus in a Georgia salt marsh and the Okefenokee Swamp

AUTHOR(S): Benner, Ronald; Maccubbin, A. E.; Hodson, Robert E.

JOURNAL: Microb. Ecol. DATE: 1986

738 (Item 304 from file: 399)

Microbial degradation of lignin and tannin

AUTHOR(S): William, Felicia; Boominathan, K.; Vasudevan, N.; Gurujeyalakshmi, G.; Mahadevan, A.

JOURNAL: J. Sci. Ind. Res. DATE: 1986

739 (Item 305 from file: 399)

Microbial degradation of the herbicide molinate. I. Characteristics of microflora degrading the herbicide molinate in soil

AUTHOR(S): Imai, Yasufumi; Kuwatsuka, Shozo

JOURNAL: Nippon Noyaku Gakkaishi DATE: 1986

740 (Item 306 from file: 399)

Microbiological degradation of lead-containing pigments in mural paintings

AUTHOR(S): Petushkova, Julia P.; Lyalikova, Natalie N.

JOURNAL: Stud. Conserv. DATE: 1986

741 (Item 307 from file: 399)

Biological degradation of hazardous waste byproducts

INVENTOR(AUTHOR): Bogart, John D.; Hawk, Charles W.

742 (Item 308 from file: 399)

Effect of nutrients on the microbial degradation of hydrocarbon by a marine microorganism, *Pseudomonas* sp

AUTHOR(S): Yamane, Akiko; Murakami, Akihiko

JOURNAL: Suishitsu Odaku Kenkyu DATE: 1986

743 (Item 309 from file: 399)

Microbial degradation of the herbicide molinate. II. The mode of metabolism of the herbicide molinate by four strains of microorganisms isolated from soil

AUTHOR(S): Imai, Yasufumi; Kuwatsuka, Shozo

JOURNAL: Nippon Noyaku Gakkaishi DATE: 1986

- 744 (Item 310 from file: 399)
Biochemical composition and microbial degradation of cellulosic wastes
AUTHOR(S): Chen, Yung Yao; Hsu, Ching Shen
JOURNAL: Kung Yeh Chi Shu DATE: 1986
- 745 (Item 311 from file: 399)
Microbial degradation products from biphenyl-related compounds
AUTHOR(S): Takase, Ichiro; Omori, Toshio; Minoda, Yasuji
JOURNAL: Agric. Biol. Chem. DATE: 1986
- 746 (Item 312 from file: 399)
Microbiological degradation of steroids
INVENTOR(AUTHOR): Ferreira, Nicolaas Petrus
- 747 (Item 313 from file: 399)
Study of intermediate products of microbial degradation of oxyethylated alcohols and alkylphenols
AUTHOR(S): Kofanov, V. I.; Vengzhen, G. S.; Udod, V. M.; Gvozdyak, P. I.
JOURNAL: Khim. Tekhnol. Vody DATE: 1986
- 748 (Item 1 from file: 582)
TITLE: Relations between the basic and the acidic poly (vinyl alcohol)—Degrading enzymes
AUTHOR(S): Sakai, Kiyofumi; Ohe, Tatsuhiko; Hamada, Nobutake; Watanabe, Yasuto
PUBLICATION YEAR: 1990
JOURNAL NAME: Science and Industry
- 749 (Item 2 from file: 582)
TITLE: Development of and evaluation methods for biodegradable plastics
AUTHOR(S): Tokiwa, Yutaka
PUBLICATION YEAR: 1990
JOURNAL NAME: Engineering Materials
- 750 (Item 3 from file: 582)
TITLE: New syntheses of corticoids
AUTHOR(S): Nitta, Issei
PUBLICATION YEAR: 1987
JOURNAL NAME: Journal of Synthetic Organic Chemistry, Japan
- 751 (Item 4 from file: 582)
TITLE: Microbiological degradation of synthetic polymers
AUTHOR(S): Sakai, Kiyofumi
PUBLICATION YEAR: 1987
JOURNAL NAME: Polymer Applications
- 752 (Item 5 from file: 582)
TITLE: Biological dephosphorylation techniques
PUBLICATION YEAR: 1986
JOURNAL NAME: Plant and Process

753 (Item 1 from file: 315)

Impact of present and future regulations on bioremediation.

AUTHOR: Bakst, J. S.

JOURNAL: Journal of Industrial Microbiology, Volume: 8, Issue: 1, Page(s): 13-22

PUBLICATION YEAR: 1991

754 (Item 2 from file: 315)

Japan to push bioremediation.

JOURNAL: Biotechnology News, Volume: 11, Issue: 15, Page(s): 7

PUBLICATION YEAR: 1991

755 (Item 3 from file: 315)

New biotechnical techniques in the purification of gaseous, liquid, and solid matrices

Orig. Title: Neue Biotechniken zur Reinigung gasfoermiger, fluessiger und fester Matrices

AUTHOR: Scherer, P.A.

JOURNAL: CHEMIE FUER LABOR UND BETRIEB (FRANKFURT,M.) (siehe auch: CLB), Volume: 42, Issue: 4, Page(s): 191-192,194-196,199

PUBLICATION YEAR: 1991

756 (Item 4 from file: 315)

Possibilities of soil clean-up

Orig. Title: Moeglichkeiten zur Bodensanierung

AUTHOR: Franzius, V.

JOURNAL: CHEMIE-INGENIEUR-TECHNIK (WEINHEIM), Volume: 63, Issue: 4, Page(s): 348-352,357-358

PUBLICATION YEAR: 1991

757 (Item 5 from file: 315)

Investigation of the microbial degradation of hydrocarbons in the groundwater contact zone

Orig. Title: Untersuchungen zum mikrobiologischen Abbau von Kohlenwasserstoffen im Grundwasserkontaktbereich

AUTHOR: Gossel, W.; Puettmann, W.

JOURNAL: GWF WASSER,ABWASSER, Volume: 132, Issue: 3, Page(s): 126-131

PUBLICATION YEAR: 1991

758 (Item 6 from file: 315)

Application of hydrogen peroxide to stimulate the microbial degradation of hydrocarbons

Orig. Title: Einsatz von Wasserstoffperoxid zum mikrobiologischen Kohlenwasserstoffabbau

AUTHOR: Riss, A.; Barends, E.R.; Helmling, O.; Ripper, P.

JOURNAL: GWF WASSER,ABWASSER, Volume: 132, Issue: 3, Page(s): 115-126

PUBLICATION YEAR: 1991

759 (Item 7 from file: 315)

Effect of certain organic matters on utilization of hexadecane by bacteria

Orig. Title: Title Russian

AUTHOR: Pavlenko, N.I.; Scurova, Z.P.; Skurko, N.M.
JOURNAL: CHIMIJA I TECHNOLOGIJA VODY, Volume: 12, Issue: 11, Page(s):
1047-1050
PUBLICATION YEAR: 1990

760 (Item 8 from file: 315)
Generation of biogas application of Paques-USAB process.
AUTHOR: Shimpi, D. D:
JOURNAL: CEW, Chemical Engineering World, Volume: 25, Issue: 12, Page(s): 33-36
PUBLICATION YEAR: 1990

761 (Item 9 from file: 315)
**Bench scale studies of the soil aeration process for bioremediation of
petroleum hydrocarbons.**
AUTHOR: Hinchee, R. E.; Arthur, M.
JOURNAL: Applied Biochemistry and Biotechnology, Volume: 28-29, Page(s): 901-906
PUBLICATION YEAR: 1991

762 (Item 10 from file: 315)
**Respirometric analysis of the biodegradation of organic contaminants in
soil and water.**
AUTHOR: Graves, D. A.; Lang, C. A.; Leavitt, M. E.
JOURNAL: Applied Biochemistry and Biotechnology, Volume: 28-29, Page(s): 813-820
PUBLICATION YEAR: 1991

763 (Item 11 from file: 315)
Maxwell backs bioremediation.
JOURNAL: BIOTECHNOLOGY, NEW YORK, Volume: 9, Issue: 6, Page(s): 502
PUBLICATION YEAR: 1991

764 (Item 12 from file: 315)
Field tests for bioremediation.
JOURNAL: Biotechnology News, Volume: 11, Issue: 11, Page(s): 11
PUBLICATION YEAR: 1991

765 (Item 13 from file: 315)
**Transfer and expression of an organophosphate insecticide-degrading gene
from Pseudomonas in Drosophila melanogaster**
AUTHOR: Phillips, J.P.; Xin, J.H.; Kirby, K.; Milne, C.P.jr.
JOURNAL: Proceedings of the National Academy of Sciences of the United
States of America, Volume: 87, Issue: 20, Page(s): 8155-8159
PUBLICATION YEAR: 1990

766 (Item 14 from file: 315)
**Synchronous anaerobic and aerobic degradation of DDT by immobilized
microorganisms**
AUTHOR: Beunink, J.; Rehm, H.-J.
PUBLISHER: Deerfield Beach, USA, Weinheim, DV
Volume: 3B, , **Page(s):** 801-804
JOURNAL: DECHEMA Biotechnology Conferences
PUBLICATION YEAR: 1990

767 (Item 15 from file: 315)

New methods for dealing with solvent contamination in soils and ground water

Orig. Title: Neue Methoden zur Sanierung von Loesemittelkontaminationen in Boden und Grundwasser

AUTHOR: Schmidt, F.P.

JOURNAL: MASCHINENSCHADEN, Volume: 63, Issue: 6, Page(s): 220-222

PUBLICATION YEAR: 1990

768 (Item 16 from file: 315)

Combined biological-physical process for soil decontamination

Orig. Title: Biologisch-physikalisches Verfahren zur Bodenreinigung

AUTHOR: Riss, A.

JOURNAL: WASSER, LUFT UND BETRIEB, Volume: 34, Issue: 11-12, Page(s): 92-93

PUBLICATION YEAR: 1990

769 (Item 17 from file: 315)

Anaerobic dechlorinationdegradation of chlorinated organic compounds of different molecular masses in bleach plant effluents

AUTHOR: Fitzsimons, R.; Ek, M.; Eriksson, K.-E.L.

JOURNAL: ENVIRONMENTAL SCIENCE & TECHNOLOGY, Volume: 24, Issue: 11, Page(s): 1744-1748

PUBLICATION YEAR: 1990

770 (Item 18 from file: 315)

Biodegradation of trace concentrations of substituted phenols in granular activated carbon columns

AUTHOR: Speitel, G.E.jr.; Lu, C.-J.; Turakhia, M.; Zhu, X.-J.

JOURNAL: ENVIRONMENTAL SCIENCE & TECHNOLOGY, Volume: 23, Issue: 1, Page(s): 68-74

PUBLICATION YEAR: 1989

771 (Item 19 from file: 315)

Treatment technologies for hazardous wastes: Part IV a review of alternative treatment processes for metal bearing hazardous waste streams

AUTHOR: Grosse, D.W.

JOURNAL: JOURNAL OF THE AIR POLLUTION CONTROL ASSOCIATION, Volume: 36, Issue: 5, Page(s): 603-614

PUBLICATION YEAR: 1986

772 (Item 20 from file: 315)

Biodegradation of creosote and pentachlorophenol in contaminated groundwater: chemical and biological assessment.

AUTHOR: Mueller, J. G.; Middaugh, D. P.; Lantz, S. E.; Chapman, P. J.

JOURNAL: Applied and Environmental Microbiology, Volume: 57, Issue: 5, Page(s): 1277-1285

PUBLICATION YEAR: 1991

773 (Item 21 from file: 315)

Biotreat soils and sludges.

AUTHOR: Brown, R. A.; Cartwright, R. T.

JOURNAL: HYDROCARBON PROCESSING (HOUSTON, USA), Volume: 69, Issue: 10, Page(s): 93-96

PUBLICATION YEAR: 1990

774 (Item 22 from file: 315)

Microorganisms as cleaning workers.

Orig. Title: Mikroorganismer som renhallningsarbetare.

AUTHOR: Rosen, C. G.

JOURNAL: Kemisk Tidskrift, Volume: 102, Issue: 12, Page(s): 37-40,43

PUBLICATION YEAR: 1990

775 (Item 23 from file: 315)

The Capitol Hill gang.

JOURNAL: BIOTECHNOLOGY, NEW YORK, Volume: 9, Issue: 4, Page(s): 316

PUBLICATION YEAR: 1991

776 (Item 24 from file: 315)

Collaboration on bioremediation.

JOURNAL: CHEMICAL AND ENGINEERING NEWS (WASHINGTON), Volume: 69, Issue: 12, Page(s): 17

PUBLICATION YEAR: 1991

777 (Item 25 from file: 315)

Biological remediation of creosote - and similarly - contaminated sites.

AUTHOR: Mueller, J. G.; Chapman, P. J.

PUBLICATION YEAR: 1990

778 (Item 26 from file: 315)

Biological decontamination of soils.

AUTHOR: Webber, H. H.

JOURNAL: Chimica Oggi, Volume: 8, Issue: 9, Page(s): 61-63

PUBLICATION YEAR: 1990

779 (Item 27 from file: 315)

Coupled reductive and oxidative degradation of 4-chloro-2-nitrophenol by a co-immobilized mixed culture system.

AUTHOR: Beunink, J.; Rehm, H.-J.

JOURNAL: Applied Microbiology and Biotechnology, Volume: 34, Issue: 1, Page(s): 108-115

PUBLICATION YEAR: 1990

780 (Item 28 from file: 315)

Apparatus and method for bioremediation of sites contaminated with hazardous substances.

AUTHOR: Caplan, J. A.; Schmitt, E. K.; Mahone, D. R.

PUBLICATION YEAR: 1990

781 (Item 29 from file: 315)

Removal kinetics of hydrogen sulphide, methanethiol and dimethyl sulphide by peat biofilters.

AUTHOR: Hirai, Mitsuyo; Shoda, Makoto; Ohtake, Masatoshi

JOURNAL: Journal of Fermentation and Bioengineering, Volume: 70, Issue: 5, Page(s): 334-339

PUBLICATION YEAR: 1990

782 (Item 30 from file: 315)

Microbial degradation of multiple halogenated aromatic compounds.

Orig. Title: Mikrobieller Abbau von mehrfach halogenierten Aromaten.

AUTHOR: Frommer, W.; Kanne, R.; Neupert, M.; Rast, H.-G.

PUBLICATION YEAR: 1990

783 (Item 31 from file: 315)

Degradation of organic sulphur compounds and the reduction of dibenzothiophene to biphenyl and hydrogen sulphide.

AUTHOR: Yeong, Kim Hae; Kim, Tae Sung; Kim, Byung Hong

JOURNAL: BIOTECHNOLOGY LETTERS (SURREY), Volume: 12, Issue: 10, Page(s): 761-764

PUBLICATION YEAR: 1990

784 (Item 32 from file: 315)

Bioremediation of organic contaminated soil and apparatus therefore.

AUTHOR: Khan, K. A.

PUBLICATION YEAR: 1990

785 (Item 33 from file: 315)

Microbial degradation of dichloroethylene in the rhizosphere: potential application to biological remediation of waste sites.

AUTHOR: Walton, B. T.; Anderson, T. A.

JOURNAL: Applied and Environmental Microbiology, Volume: 56, Issue: 4, Page(s): 1012-1016

PUBLICATION YEAR: 1990

786 (Item 34 from file: 315)

Treatability studies for onsite biological remediation of soils and leachates contaminated by coal conversion residuals and byproducts.

AUTHOR: Brenner, A.; Irvine, R. L.; Ketchum, L. H., Jr.; Kulpa, C. F., Jr.

JOURNAL: JOURNAL OF HAZARDOUS MATERIALS (AMSTERDAM), Volume: 22, Issue: 3, Page(s): 377-391

PUBLICATION YEAR: 1989

787 (Item 35 from file: 315)

GE speeds up PCB degradation.

JOURNAL: European Chemical News, Volume: 53, Issue: 1392, Page(s): 31

PUBLICATION YEAR: 1989

788 (Item 36 from file: 315)

Action of a fluoranthene-utilizing bacterial community on polycyclic aromatic hydrocarbon components of creosote.

AUTHOR: Mueller, J. G.; Chapman, P. J.; Pritchard, P. H.

JOURNAL: Applied and Environmental Microbiology, Volume: 55, Issue: 12, Page(s): 3085-3090

PUBLICATION YEAR: 1989

789 (Item 37 from file: 315)

Phenol removal from wastewater by microorganisms immobilized on activated carbon.

Orig. Title: Title in Serbo-Croatian

AUTHOR: Briski, F.; Juric, Z.; Matanic, H.

JOURNAL: Kemija u Industriji, Volume: 38, Issue: 8, Page(s): 349-352

PUBLICATION YEAR: 1989

790 (Item 38 from file: 315)

Answers surface for Europe's underground woes.

AUTHOR: Johnson, E.

JOURNAL: Chem. Eng. (Int. Ed.), Volume: 96, Issue: 6, Page(s):

47,49-50,52,54,56,58

PUBLICATION YEAR: 1989

791 (Item 39 from file: 315)

Alternative methods for the treatment of phenolic industrial effluent.

Orig. Title: Metodos alternativos para el tratamiento de efluentes fenolicos industriales.

AUTHOR: Garcia-Portilla, J. A.; Diez, F. V.; Coca, J.

JOURNAL: Ing. Quim. (Madrid), Volume: 21, Issue: 238, Page(s): 151-158

PUBLICATION YEAR: 1989

792 (Item 40 from file: 315)

Treatment of hazardous waste leachate: unit operations and costs.

AUTHOR: McArdle, J. L.; Arozarena, M. M.; Gallagher, W. E.

PUBLISHER: Noyes Data, New Jersey, Page(s): 111 pp.

PUBLICATION YEAR: 1988

793 (Item 41 from file: 315)

Biotechnology for degradation of toxic chemicals in hazardous wastes.

AUTHOR: Scholze, R. J., Jr.; Smith, E. D.; Bandy, J. T.; Wu, J. C.;

Basilico, J. V. (Editors)

PUBLISHER: Noyes Publications, Park Ridge, NJ, Page(s): 697 pp.

PUBLICATION YEAR: 1988

794 (Item 42 from file: 315)

Biotechnology. Volume 8. Microbial degradation.

AUTHOR: Rehm, H-J.; Reed, G.; Schonborn, W. (Editors)

PUBLISHER: VCH Verlagsgesellschaft, Weinheim, Page(s): 743 pp

PUBLICATION YEAR: 1986

795 (Item 43 from file: 315)

Aquifer restoration: chlorinated organics removal considerations in proven vs. innovative technologies.

AUTHOR: Dworkin, D.; Cawley, M. W.

JOURNAL: Environ. Prog., Volume: 7, Issue: 2, Page(s): 99-103

PUBLICATION YEAR: 1988

796 (Item 44 from file: 315)

Chemical engineering solutions for hazardous waste, pollution problems.

AUTHOR: Caruana, C. M.

JOURNAL: Chem. Eng. Prog., Volume: 83, Issue: 10, Page(s): 74-78

PUBLICATION YEAR: 1987

797 (Item 45 from file: 315)

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PUBLICATION YEAR: 1986